

Catálogo de productos Telesis





Your Identification and Processing Solutions Source



TELESIS is the leader in Product Identification and Processing Technologies. Our wide range of permanent, programmable, LASER, PINSTAMP® and TELEScribe® Marking Systems are fast and durable. They are relied on in thousands of manufacturing environments every day, throughout the world. All TELESIS systems — whether standard or custom engineered — are backed by a global network of knowledgeable Sales and Service Professionals

TELESIS LASER MARKING SYSTEMS

TELESIS offers a full line of laser marking systems capable of satisfying even the most demanding laser marking applications for industry. These laser systems cover the spectrum of wavelengths enabling applications to a wide range of products, from medical devices and instruments to automotive components, delicate plastics, ceramics, glass and airframe components, and can mark virtually any material with text, bar codes, 2-D codes, logos and graphics. At the cutting edge of laser marking technology, TELESIS now offers optional “mark-on-the-fly” capable versions of all of our standard laser systems and the new Vari-Z series of 3-Axis laser markers for applications that require sophisticated marking on multiple surface levels or optimized rapid deep engraving.

Our E-Series diode-pumped, vanadate air-cooled lasers can operate in the harshest environments while maintaining peak performance for many thousands of hours of maintenance free operation with diode MTTF times up to 500,000 hours. In addition, they offer superior beam characteristics that make them uniquely capable among near IR lasers for many difficult applications, such as marking high resolution graphics, fine text or 2D codes as well as marking many heat sensitive materials and components. The versatile E-Series is a broad family including eight different systems. It starts with the powerful infrared EV40, capable of high speed, high quality, deep engraving of virtually any non-organic material, and includes the EV4GDS green laser, the best choice for many electronic components, medical applications and precious metals, as well as for a wide variety of plastics.

We pioneered the use of fiber lasers with our F-Series fiber lasers, and continue to be the leader in fiber laser marking technology with configuration options that include Dual Heads, integrated In-Line Vision and Auto Focus Function. These markers offer low maintenance marking of almost all metals at an affordable price. The air cooled F-Series models include systems with average powers from 10W up to 100W for applications in which faster process speeds are required, and all models are built with the Dual Safety Shutter.

The CO-Series of CO₂ lasers are ideal for marking organic materials such as glass, plexiglass, plastics and acrylics, wood, fiberboard, leather, vinyl and rubber. With three power levels to choose from, the CO-series is led by the powerful 80W CO80 laser marking system and followed with 30W and 10W systems with the fastest galvo systems in the industry.

Pattern design for any of our lasers is easy with the TELESIS designed MERLIN® II LS Software. This extremely user-friendly software runs on the Windows® 2000, Windows® XP, Windows Vista®, Windows® 7 and Windows® 8 platforms. Our Automated Marking Interface (AMI) version of MERLIN® II LS addresses the need for a safe, easy operator interface. It provides the operator the capability to barcode scan to load patterns, load a picture of the part and fixture, and insert the marking data in the proper field all without the need of a keyboard.

TELESIS offers full turnkey single source custom integrated or standard laser systems backed by our first-in-class service team and worldwide support by a network of representatives and distributors.



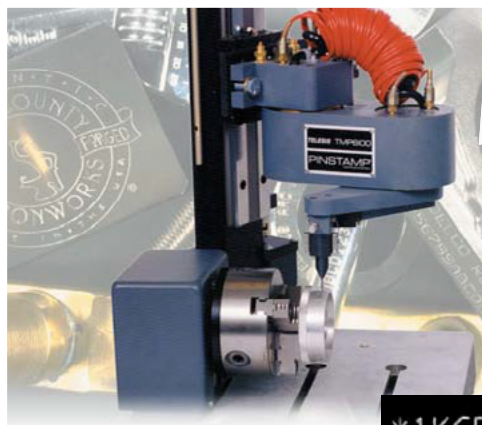


Fully programmable PINSTAMP® Single and Multiple-Pin Marking Systems are based on TELESIS' original, patented "Floating Pin" design. A pneumatically driven and returned metal pin permanently indents the marking surface with either dot matrix or continuous line characters, logos, graphics or 2-D* Codes. Since the marking pin "floats" on constant return air pressure, surface irregularities up to 1/4" are easily accommodated. And, no stress concentrations occur. Since the force of the mark is controlled by air pressure, product marking can be "customized" to suit most any application. TELESIS manufactures over 15 versatile PINSTAMP® Models. They are cost-effective in a wide range of stand-alone or on-line manufacturing situations.

TELESCRIBE® Marking Systems inscribe high quality, continuous line characters in materials from plastics to hardened steel in virtual silence. Other Pin Marking Systems include the BENCHMARK® Series of low cost markers for stand-alone, benchtop and hand-held applications, and IDENTIPLATE®, which provides efficient, automated tag marking for a variety of industrial or consumer products. Our new NOMAD offers the user unrivaled portability and function.

QUALITY - ISO9001

At TELESIS, manufacturing management processes must comply with rigorous ISO Quality Standards. Product Testing in every phase of production ensures reliability throughout the life of your marking system.



1K6PT37H0M6927828

CUSTOM ENGINEERED SOLUTIONS

TELESIS is the leader in custom engineered/factory integrated marking technology. Whether it's a fully automated on-line application or a stand-alone manual workstation, TELESIS Applications Engineers will work with you to solve your parts handling and custom software needs.

They can integrate any of our standard marking products within your specific application. You can expect a responsive, cost-effective, quality design solution to meet your unique requirements.



*Most TELESIS Marking Systems are in compliance with the U.S. Department of Defense UID Requirements and ATA SPEC 2000 Aerospace Industry Standards for Data Matrix™ 2-D Code Parts Marking. Data Matrix™ is a registered trademark of Robotic Vision Systems, Inc.



All product descriptions subject to change without notice. Please refer to Product Specification Sheets or call the Applications Engineering Department at 800.654.5696 for current information.



U-Series - UVC Diode-Pumped Solid State Laser

Our strong portfolio already boasts some of the most versatile and reliable systems in the industry, and with the addition of the ultra-compact UVC based laser marker, Telesis has gained flexibility and broadened the reach of applications that can be addressed. Telesis offers an industry leading 18 month warranty on the UVC along with a global support organization. The 355 nm UV laser wavelength is versatile in marking a wide range of materials and perfect for “cold marking” applications where heat affected zones are not allowed – the UVC can mark plastics and silicone materials without the need of additives and can also mark glass with a reduced risk of microfracture. The excellent beam quality also affords this laser the ability to be utilized in micro marking applications such as electronics, circuit boards and microchips, in addition to solar panels and precise medical marking applications.



CD shown to scale

LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	335nm
Laser Type.....	Fiber-coupled diode end-pumped Q-switched UV laser
Laser Beam Mode	TEM ₀₀
Average Power.....	Up to 2W
Positioning	Visible Red Diode Light
Optical Fiber Length	1.75 meters (5.74 feet) standard
Mounting Weight.....	approx. 14.5kg (32lbs.)
Marking head dimensions.....	570.20 x 170.10 x 161.80mm (22.449" x 6.697" x 6.37")
Controller dimensions	43.9(W) x 21.1(H) x 43.9cm(L) (17.3" x 8.3" x 17.3")
Controller Weight.....	17.3kg (38.0lbs.)
Input Power	115/230VAC 50/60Hz
System Power Consumption.....	< 950W
Cooling	Air Cooled, active thermo-electric (no water cooling required)
Operating Temperature Range	18° to 35°C (65° to 95°F)
Humidity.....	10% to 85% Non-condensing

STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm.....	65mm X 65mm (2.56" X 2.56")
160mm.....	110mm X 110mm (4.33" X 4.33")
255mm.....	175mm X 175mm (6.89" X 6.89")

SOFTWARE

Software.....	MERLIN® II LS (see page 26)
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements

*MOTF Versions and embedded PC versions available
at an additional charge



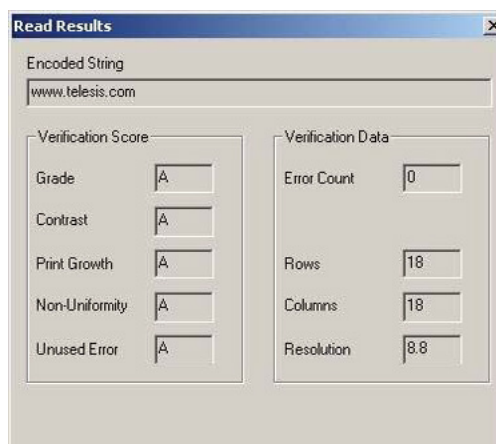
Telesis Integrated InLine Vision code reading technology saves the customer both time and money. The laser marking head's internal camera saves the customer both complexity and space. Our integrated software package makes setup and use easy, and delivers immediate results. Offering 2D, QR, UID, GS1 and UDI code verification and validation, the Telesis Integrated InLine Vision option is a powerful integration tool for vision applications and factory automation.

LASER MARKER SPECIFICATIONS

Compliance.....CDRH, CE, CSA, UL
Wavelength.....1,060nm
Laser Type.....Q-switched Nd:YVO₄ laser
Q-Switched Ytterbium Fiber Laser
Average Power (Model Dependent).....8-50W
Available Laser Systems.....
EV40/EV25DS/EV15DS/EVCD5
FQ50DS/30DS/20DS/10DS
Positioning.....Visible Red Diode Light
Mounting Weight (Model Dependent).....Approx. 10 - 25kg
(32 - 55lbs.)
Input Power (Selectable).....95-250VAC, 50/60Hz
Max. Power Consumption (Model Dependent).....300-1000W
Cooling.....Air Cooled
(no water cooling required)
Operating Temperature Range.....15° to 35°C (59° to 95°F)
Humidity.....10% to 85% Non-condensing

SOFTWARE

Software.....**MERLIN® II LS** (see page 26)
Operating System.....Windows® 2000, Windows XP,
Windows Vista™, Windows® 7, or Windows® 8
with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....Serial, TCP/IP, I/O



Integrated machine vision and
code grading capability

OPTIONS

- Lens options of 160mm, 163mm, 254mm
- Visible Red Aiming Diode
- Integrated PC system controller
- CDRH Class 1 enclosures
- Additional Axis Automation for X,Y, Z and rotation
- Fume/Dust Extractor
- Design, build and integration of custom engineered solutions available



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements

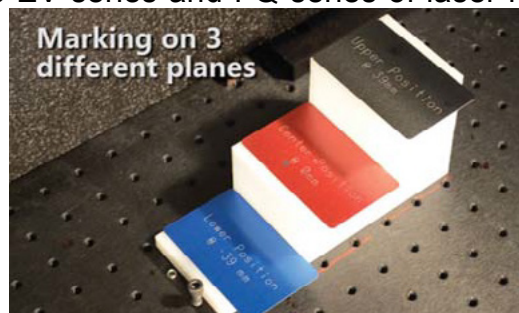
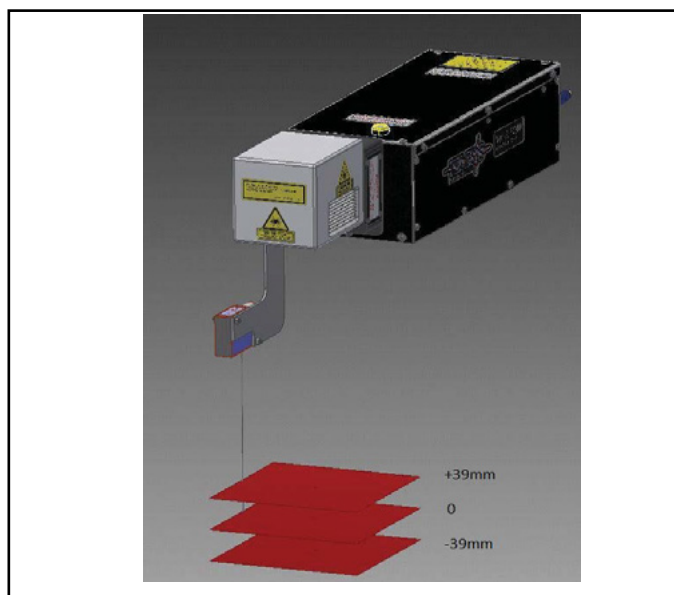
Vari-Z Series - EV and FQ 3-Axis Laser Marking Systems



The innovative, compact and flexible VARI-Z Series of solid state laser marking systems are perfectly suited for advanced applications that require the processing of non-flat parts, multiple or uneven surfaces. The 3-Axis beam deflection systems enable processing in three dimensions. The focusing optic is galvo motor-driven, enabling it to quickly generate continuously variable stepwise image field sizes and the longest standard working distance available in the industry up to a total focused depth of 78mm. This

allows the user to change the working distance, field and spot size with the same galvo head, all under software control. With 3-Axis Marking, you can maintain a consistent system focus and fluence throughout the working volume to achieve deeper engraving as well as faster material removal. This functionality can be added to both the EV series and FQ series of laser markers.

AUTOFOCUS FEATURE



The AutoFocus Function option - left - on Vari-Z model lasers allows the marker to automatically compensate for varying target positions. The displacement sensor measures each part's position to accommodate for changes in material thicknesses, position, or other process variations such as tool wear.

SOFTWARE

Software.....**MERLIN® II LS** (see page 26)
Operating System.....Windows® 2000, Windows XP,
Windows Vista™, Windows® 7, or Windows® 8
with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....Serial, TCP/IP, I/O

OPTIONS

- Lens options of 160mm (+/- 15mm focus) and 254mm (+/- 39mm focus)
- 3 position galvo head can be configured at 0°, 90° or 180°
- Visible Red Aiming Diode
- Integrated PC system controller
- CDRH Class 1 enclosures
- MOTF (Marking On The Fly) encoders and part presence sensor kit
- Additional Axis Automation for X, Y, Z and rotation
- Fume/Dust Extractor
- Design, build and integration of custom engineered solutions available



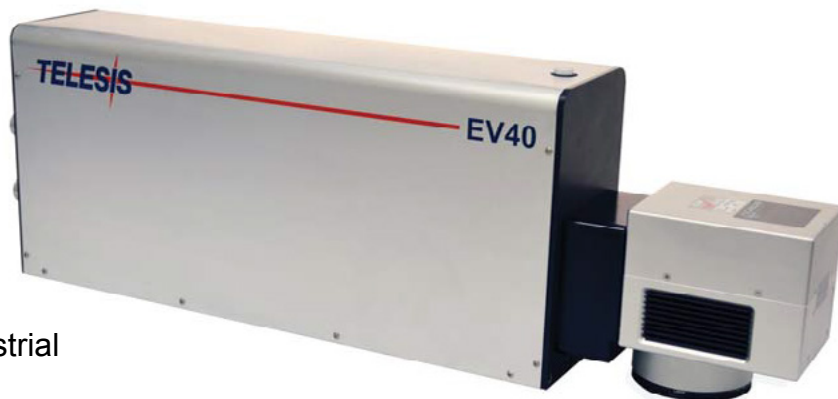
QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements



E-Series - EV40 Diode-Pumped Solid State Laser

The EV40 is a high throughput laser marker featuring a Q-switched Nd:YVO₄ diode pumped, air-cooled laser design with high speed digital galvo scanners. This laser provides high quality laser beam characteristics including a long focal tolerance combined with up to 2mJ pulse energies and high average powers at 1064nm, allowing these systems to achieve high-speed, rapid deep marking of metals or composite materials on flat and curved surfaces and offers the user best-in-class reliability with a low cost of ownership. In addition, the integrated proprietary graphical laser software and optimized electronics make these systems the best solution for many high speed marking on the fly (MOTF*) applications. The robust mechanical and optical design allows these lasers to operate without any chiller in an industrial environment where shock, vibration, and dust are a concern while maintaining stable output power and an expected diode MTTF of 75,000 hours. The small footprint allows for easy integration into manual off-line and automated on-line configurations, making it ideal for a wide range of industrial marking applications.



LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	1,064nm
Laser Type.....	Fiber-coupled diode end-pumped Q-switched Nd:YVO ₄ laser
Laser Beam Mode	TEM ₀₀
Average Power.....	Up to 40W
Positioning	Visible Red Diode Light
Optical Fiber Length	1.75 meters (5.74 feet) standard
Mounting Weight.....	approx. 20.0kg (44.2lbs.)
Marking head dimensions.....	22.4(W) x 23.0(H) x 74.3cm(L) (8.8" x 9.1" x 29.3")
Controller dimensions	43.9(W) x 21.1(H) x 43.9cm(L) (17.3" x 8.3" x 17.3")
Controller Weight.....	17.3kg (38.0lbs.)
Input Power	115/230VAC 50/60Hz
System Power Consumption.....	< 950W
Cooling	Air Cooled, active thermo-electric (no water cooling required)
Operating Temperature Range	18° to 35°C (65° to 95°F)
Humidity.....	10% to 85% Non-condensing

STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm.....	65mm X 65mm (2.56" X 2.56")
160mm.....	90mm X 90mm (3.54" X 3.54")
254mm.....	175mm X 175mm (6.88" X 6.88")
330mm.....	230mm X 230mm (9.06" X 9.06")
350mm.....	250mm X 250mm (9.84" X 9.84")
420mm.....	290mm X 290mm (11.42" X 11.42")

SOFTWARE

Software.....	MERLIN® II LS (see page 26)
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O

*MOTF Versions and embedded PC versions available
at an additional charge



Engraved approximately 4mm deep in aluminum



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements



E-Series - EV15DS Diode-Pumped Solid State Laser

The TELESIS EV15DS marker is based on advanced Q-Switched, fiber-coupled diode end-pumped Nd:YVO₄ laser technology. The outstanding beam quality of this laser makes them superior to all other markers of equivalent power for high resolution and high speed marking. Additionally, the shorter pulse widths and high peak powers of this marker makes it the preferred choice for challenging marking applications on silicon or heat sensitive materials such as plastics or thin foils. The smaller spot size and extended depth of focus allows these lasers to mark much more highly irregular or curved surfaces than fiber lasers. They are air-cooled and an excellent choice for high speed Marking-On-the-Fly applications as well. With an expected pump diode MTTF of over 250,000 hours for the EV15DS and 500,000 hours for the EV10SDS, system down time is dramatically reduced. Diode replacement can be completed quickly and the fiber coupled diode design eliminates the need to re-align the laser marker. The marker's modular design, housing the diode in the laser controller, eliminates a large heat source from the laser insuring maximum stability as well as the need for water cooling.



LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	1,064nm
Laser Type.....	Fiber-coupled diode end-pumped, Q-switched Nd:YVO ₄ laser
Laser beam mode.....	TEM ₀₀
Average Power (EV15DS).....	Up to 15W
Average Power (EV10SDS).....	Up to 10W
Positioning.....	Visible Red Diode Light
Optical Fiber Length.....	1.75 meters (5.74 feet) standard 4.75 meters (15.58 feet) optional
Mounting Weight.....	Approx. 20kg (45lbs.)
EV10SDS Marketing Head Dimensions	79.5(L) x 16.6(W) x 17.2cm(H) (31.3" x 6.6" x 6.8")
EV15DS Marketing Head Dimensions	71.9(L) x 16.2 (W) x 19.1cm(H) (28.3" x 6.4" x 7.5")
Controller Dimensions.....	42.7(W) x 14.0(H) x 48.8cm(L) (16.8" x 5.5" x 19.2")
Input Power	115/230VAC 50/60Hz
Max. Power Consumption.....	Less than 500W
Cooling.....	Air-cooled, active thermo-electric (no water cooling required)
Operating Temperature Range.....	18° to 35°C (65° to 95°F)
Humidity.....	10% to 85% Non-condensing



STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm.....	65mm X 65mm (2.56" X 2.56")
160mm.....	90mm X 90mm (3.54" X 3.54")
254mm.....	175mm X 175mm (6.88" X 6.88")
330mm.....	230mm X 230mm (9.06" X 9.06")
350mm.....	250mm X 250mm (9.84" X 9.84")
420mm.....	290mm X 290mm (11.42" X 11.42")

SOFTWARE

Software.....	MERLIN® II LS (see page 26)
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O



Model E10 Series Controller



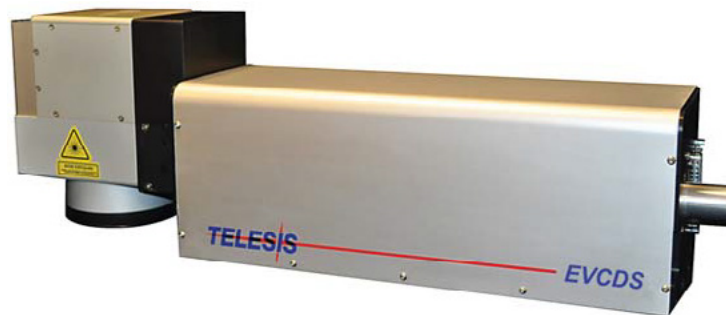
QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements



E-Series - EVCDs Diode-Pumped Solid State Laser

The TELESIS EVCDs marker is an extremely cost effective DPSS laser based on a proven advanced Q-Switched, fiber-coupled diode end-pumped Nd:YVO₄ laser platform for applications requiring high beam quality and stability. It features a dual sensor shutter safety system and its exceptional power stability at all power levels makes the EVCDs an ideal choice for engraving, annealed marking, or high speed marking on delicate and heat sensitive electronic components, thin foils and medical instruments. The EVCDs is completely air cooled with a very compact, easily integrated package requiring very little maintenance. With an expected lifetime for the pump diode of over 500,000 hours, down time is dramatically reduced. Because of the modular fiber coupled design, diode replacement can be completed quickly with no need to realign the laser. The compact footprint of the system allows for the easy integration into both manual off-line and automated in-line applications with Marking-On-The-Fly (MOTF) support for high volume applications.*



Model E10 Series Controller

LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	1,064nm
Laser Type.....	Fiber-coupled diode end-pumped, Q-switched Nd:YVO ₄ laser
Laser Beam Mode	TEM ₀₀
Average Power.....	Up to 9W
Positioning	Visible Red Diode Light
Optical Fiber Length	1.75 meters (5.74 feet) standard
Mounting Weight.....	Approx. 14.5kg (32lbs.)
Marking Head Dimensions	15.4(W) x 18.8(H) x 61.1cm(L) (6.1" x 7.4" x 24.1")
Controller Dimensions.....	42.7(W) x 14.0(H) x 48.8cm(L) (16.8" x 5.5" x 19.2")
Controller Weight.....	15kg (33lbs.)
Input Power.....	95-250VAC, 6A, 50/60Hz
System Power Consumption.....	< 400W
Cooling	Air Cooled, active thermo-electric (no water cooling required)
Operating Temperature Range.....	15° to 35°C (65° to 95°F)
Humidity.....	10% to 85% Non-condensing

STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm.....	65mm X 65mm (2.56" X 2.56")
160mm.....	90mm X 90mm (3.54" X 3.54")
254mm.....	175mm X 175mm (6.89" X 6.89")

Other lens configurations are available

SOFTWARE

Software.....	MERLIN® II LS (see page 26)
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O

*MOTF Version and embedded PC controller versions
available at additional charge



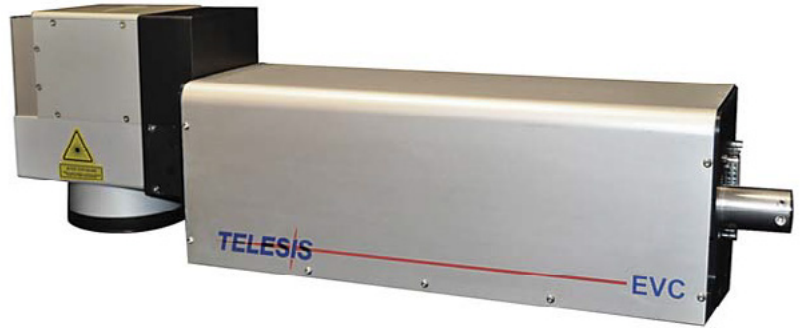
QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements



E-Series - EVC Diode-Pumped Solid State Laser

The TELESIS EVC marker is an extremely cost effective DPSS laser based on a proven advanced Q-Switched, fiber-coupled diode end-pumped Nd:YVO₄ laser platform for applications requiring high beam quality and stability. Its exceptional power stability at all power levels makes the EVC an ideal choice for engraving, annealed marking, or high speed marking on delicate and heat sensitive electronic components, thin foils and medical instruments. The EVC is completely air cooled with a very compact, easily integrated package requiring very little maintenance. With an expected MTTF for the pump diode of over 500,000 hours, down time is dramatically reduced. Because of the modular fiber coupled design, diode replacement can be completed quickly with no need to realign the laser. The compact footprint of the system allows for the easy integration into both manual off-line and automated in-line applications with Marking-On-The-Fly (MOTF) support for high volume applications.*



LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	1,064nm
Laser Type.....	Fiber-coupled diode end-pumped, Q-switched Nd:YVO ₄ laser
Laser Beam Mode.....	TEM ₀₀
Average Power.....	Up to 8W
Positioning.....	Visible Red Diode Light
Optical Fiber Length	1.75 meters (5.74 feet) standard
Mounting Weight.....	Approx. 14.5kg (32lbs.)
Marking Head Dimensions	15.4(W) x 18.8 (H) x 61.1cm(L) (6.1" x 7.4" x 24.1")
Controller Dimensions.....	41.9(W) x 14.0(H) x 49.5cm(L) (16.5" x 5.5" x 19.5")
Controller Weight.....	10kg (22lbs.)
Input Power	115/230VAC 50/60Hz
System Power Consumption.....	< 400W
Cooling	Air Cooled, active thermo-electric (no water cooling required)
Operating Temperature Range.....	18° to 35°C (64° to 95°F)
Humidity.....	10% to 85% Non-condensing



Model XP1 Series Controller

STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm.....	65mm X 65mm (2.56" X 2.56")
160mm.....	90mm X 90mm (3.54" X 3.54")

Other lens configurations are available

SOFTWARE

Software.....	MERLIN® II LS (see page 26)
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O

*MOTF Version available at additional charge



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements



E-Series - EV4GDS Green Diode-Pumped Solid State Laser

The EV4GDS marker is based on an advanced Q-switched, fiber-coupled, diode end-pumped and frequency doubled (green wavelength) Nd: YVO₄ laser. Its laser beam and Q-switched pulse characteristics are optimized for applications that require high beam quality and stability. The 532nm wavelength of the EV4G offers extra power and speed for precision marking, scribing, trimming and other material processing that is not well suited for near IR or CO₂ wavelength lasers. The robust mechanical and optical design of the EV4GDS enables operation in industrial environments where shock, vibration and dust are a concern. The EV4GDS is a completely air-cooled, very compact, easily integrated package requiring very little maintenance. With an expected lifetime for the pump diode of over 250,000 hours, downtime is dramatically reduced. Because of the modular fiber coupled design, diode replacement can be completed quickly with no need to re-align the laser.



Model E10 Series Controller

LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	532nm
Laser Type.....	Fiber-coupled diode end-pumped, Q-switched Nd:YAG Laser
Laser Beam Mode.....	TEM ₀₀
Average Power.....	Up to 4W
Positioning.....	Visible Red Diode Light
Optical Fiber Length	1.75 meters (5.74 feet) standard 4.75 meters (15.58 feet) optional
Mounting Weight.....	approx. 25kg (55lbs.)
Marking Head Dimensions	80.6(L) x 24.9(W) x 19.7cm(H) (31.7" x 9.8" x 7.7")
Temperature Controller Dimensions	21.3(W) x 9.6(H) x 21.2cm(D) (8.4" x 3.7" x 8.3")
Controller Dimensions.....	42.7(W) x 14.0(H) x 48.8cm(L) (16.8" x 5.5" x 19.2")
Input Power	115/230VAC 50/60Hz
Maximum Power Consumption.....	Less than 600W
Cooling	Air Cooled, active thermo-electric (no water cooling required)
Operating Temperature Range	18° to 35°C (65° to 96°F)
Humidity.....	10% to 85% Non-condensing



STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm.....	55mm X 55mm (2.17" X 2.17")
160mm.....	90mm X 90mm (3.54" X 3.54")
250mm.....	170mm X 170mm (6.69" X 6.69")

SOFTWARE

Software.....	MERLIN® II LS (see page 26)
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O



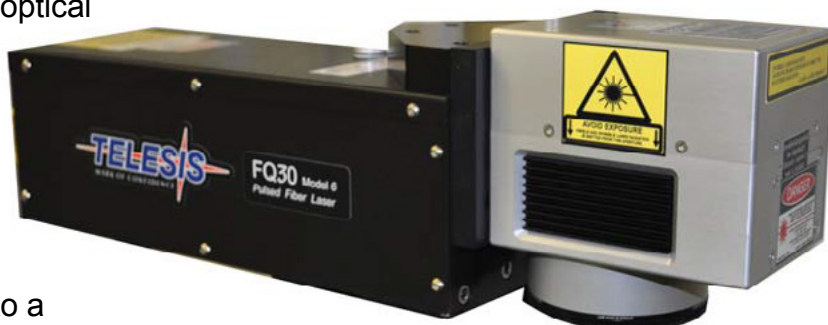
QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements



F-Series - FQ50DS, FQ30DS, FQ20DS and FQ10DS Fiber Laser Marking Systems

The TELESIS FQ50DS is the latest laser in a family of maintenance free Q-switched ytterbium fiber lasers specifically designed for marking applications with average power levels from 10-50W. These lasers deliver a high power laser beam directly to the marking head via a flexible metal sheathed fiber optic cable. The fiber based optical design and rugged mechanical design allows these markers to operate in an industrial environment where shock, vibration and dust are a concern. The F-Series fiber marker's unique design allows the overall package to be very small and modular for ease of integration into a variety of industrial applications and includes the TELESIS dual shutter safety system. The F-Series Laser Marking Systems offers a best in class 100,000hour MTBF diode reliability with no water cooling requirements, and only single phase 110/220VAC power requirements.



STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
100mm.....	65mm X 65mm (2.56" X 2.56")
160mm.....	90mm X 90mm (3.54" X 3.54")
163mm.....	110mm X 110mm (4.33" X 4.33")
254mm.....	175mm X 175mm (6.89" X 6.89")
330mm.....	230mm X 230mm (9.06" X 9.06")
350mm.....	250mm X 250mm (9.84" X 9.84")
420mm.....	290mm X 290mm (11.42" X 11.42")

SOFTWARE

Software.....	MERLIN® II LS
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O



Model 6
Series Controller

LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	1,060nm
Laser Type.....	Q-Switched Ytterbium Fiber Laser
Average Power FQ50/30/20/10	50/30/20/10W
Peak Power FQ10DS	>4kW
Peak Power FQ50DS/30DS/20DS	>8kW
Beam Quality FQ50DS/30DS/20DS/10DS	M ² < 2
Fiber Length FQ10DS	5 meters (16.4ft.) Std.
Fiber Length FQ50DS/30DS/20DS	3 meters (9.8ft.) Std.
Long Term Power Drift.....	< +/- 5%
Optical Isolator.....	Standard
Positioning.....	Visible Red Diode Light
Mounting Weight.....	6.8kg (15lbs.)
Marking Head Dimensions.....	51.0 (L) x 12.7 (W) x 14.0 cm (H) (20.1 x 5.0 x 5.5in.)
Dimension with Selected Lens (H).....	
	100mm: 14.4cm (5.7in.)
	160mm: 14.2cm (5.6in.)
	163mm: 15.8cm (6.2in.)
	254mm: 17.2cm (6.8in.)
	330mm: 17.8cm (7.0in.)
	350mm: 15.9cm (6.3in.)
	420mm: 17.8cm (7.0in.)
Model 6 Controller Dimensions.....	
	42.7(W) x 14.5(H) x 50.8cm(D) (16.8 x 5.7 x 20.0in.)
Laser Marking Head Cable.....	5m (16.4ft.), detachable
Laser Extension Cable.....	3m (10.0ft.), detachable
Input Power (Selectable).....	95-250VAC, 50/60Hz
Maximum Power Consumption FQ50.....	Less than 400W
Maximum Power Consumption FQ30.....	Less than 280W
Maximum Power Consumption FQ20.....	Less than 250W
Maximum Power Consumption FQ10.....	Less than 200W
Cooling.....	Air Cooled, Fan/Filter (no water cooling required)
Operating Temperature Range	15° to 35° C (55° to 95°F)
Humidity.....	10% to 85% Non-condensing



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements

The innovative, **FQ2H** PATENTED dual headed pulsed fiber laser system is perfectly suited for advanced applications that require rapid processing over a wide range of materials. The dual head design of this laser offers the user the unique ability to control two fiber lasers with the same controller. This saves on overall footprint as well as cost. The dual head configuration allows for variance in mounting the heads in applications requiring two separate marks or requiring faster throughput than is offered with a single head marking system. This system maintains the beam quality all Telesis fiber lasers are known for as well as a 100,000 hour MTBF diode reliability. It is the only fiber laser system of its kind that is entirely aircooled and powered from a single phase power outlet. The Windows® based control software is intuitive to use, easily run on a laptop, and requires only 2 USB ports and an Ethernet port for external interfacing.



FQ2H Series System Components

LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	1,060nm(+/-20nm)
Laser Type.....	Q-Switched Ytterbium Fiber Laser
Average Power.....	100W
Peak Power.....	>8kW
Beam Quality.....	M ² < 2
Fiber Length.....	2.74 meters (9.0ft) Std.
Long Term Power Drift.....	< +/- 5%
Optical Isolator.....	Standard
Positioning.....	Dual Visible Red Laser Diode
Mounting Weight.....	Approx. 15.9kg(35.0 lbs.)
Marker Head Dimensions.....	47.5(L) x 23.9(W) x 18.6cm(H) (18.7" x 9.0" x 7.3")
Controller Dimensions.....	51.1(L) x 43.8(W) x 21.3cm(H) (20.1" x 17.3" x 8.4")
Controller Weight.....	Approx. 27.2kg(60.0lbs.)
Input Power (Selectable).....	95-250VAC, 50/60Hz
Max. Power Consumption.....	<600W
Cooling.....	Air Cooled (no water cooling required)
Operating Temperature Range.....	18° to 35°C (65° to 95°F)
Humidity.....	10% to 85% Non-condensing

SOFTWARE

Software.....	MERLIN® 2H
Operating System.....	WindowsXP®, or Windows® 7 with Optional Laptop, Desktop or Rackmount PC
Communication Interface.....	2x USB, Ethernet TCP/IP

OPTIONS

- Multiple Axis Automation for X,Y, Z and rotation
- Fume/Dust Extractor
- CDRH Class 1 enclosures
- Dual or single Vari-Z lasing heads
- Design, build and integration of custom engineered solutions available

*PATENT PENDING



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements

The innovative FQD100 dual beam pulsed fiber laser system is perfectly suited for advanced applications that require rapid processing over a wide range of materials. The dual beam deflection system enables increased throughput over single head laser systems. Unique to this system is the ability to simultaneously mark in two separate fields, with the flexibility of independent parameter control for each marking head. For example, it is possible to mark with one beam and simultaneously use the second for a cleaning pass, or simultaneously mark the first half of a serial number with one beam and the second half with the second beam, or to combine the two beams on a single pattern for efficient high fluence material removal. The dual head configuration allows for significantly larger marking fields and sophisticated pattern generation that can outperform the cycle times of much higher power lasers. This system maintains the beam quality all Telesis fiber lasers are known for as well as a 100,000 hour MTBF diode reliability. It is the only fiber laser system of its kind that is entirely aircooled and powered from a single phase power outlet. The Windows® based control software is intuitive to use, easily run on a laptop, and requires only 2 USB ports and an Ethernet port for external interfacing.



FQD Series System Components

LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	1,060nm (+/-20nm)
Laser Type.....	Q-Switched Ytterbium Fiber Laser
Average Power.....	100W
Peak Power.....	> 8kW
Beam Quality.....	M ² < 2
Fiber Length.....	2.74 meters (9.0ft) Std.
Long Term Power Drift.....	< +/- 5%
Optical Isolator.....	Standard
Positioning.....	Dual Visible Red Laser Diode
Mounting Weight.....	Approx. 15.9kg (35.0 lbs.)
Marker Head Dimensions.....	47.5(L) x 23.9(W) x 18.6cm(H) (18.7" x 9.0" x 7.3")
Controller Dimensions.....	51.1(L) x 43.8(W) x 21.3cm(H) (20.1" x 17.3" x 8.4")
Controller Weight.....	Approx. 27.2kg (60.0lbs.)
Input Power (Selectable).....	95-250VAC, 50/60Hz
Max. Power Consumption.....	<600W
Cooling.....	Air Cooled (no water cooling required)
Operating Temperature Range.....	18° to 35°C (65° to 95°F)
Humidity.....	10% to 85% Non-condensing

SOFTWARE

Software.....	MERLIN® DM
Operating System.....	WindowsXP®, or Windows® 7 with Optional Laptop, Desktop or Rackmount PC
Communication Interface.....	2x USB, Ethernet TCP/IP

OPTIONS

- Multiple Axis Automation for X, Y, Z and rotation
- Fume/Dust Extractor
- CDRH Class 1 enclosures
- Design, build and integration of custom engineered solutions available



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements

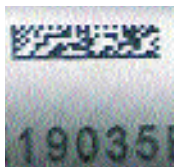


CO-Series CO₂ Lasers

The TELESIS CO-Series Laser Markers, available with standard power levels at 80W, 60W, 30W and 10W and are excellent choices for high duty cycle applications on plastic, rubber, wood, paper, anodized metal and label marking applications. They are perfect for “Marking-on-the Fly” as well as stationary marking. Their RF-excited CO₂ tube assures a long life cycle as well with virtually maintenance-free operation. Due to their compact size and modular construction, the CO-Series markers can go almost any place they are needed on the plant floor.



Model C10 Controller



LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	10.6um
Laser Type.....	CO ₂
Average Power (CO10A).....	Up to 10W
Average Power (CO30A).....	Up to 30W
Average Power (CO60A).....	Up to 60W
Average Power (CO80).....	Up to 80W
Input Power.....	100 – 240 VAC, 50 – 60 Hz
Maximum Power Consumption CO10A.....	Less than 480W
Maximum Power Consumption CO60.....	Less than 1000W
Cooling.....	Air Cooled, Fan/Filter (no water cooling required)
Operating Temperature Range.....	15° to 30°C (59° to 86°F)
Humidity.....	10% to 90% Non-condensing

STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
75mm.....	50mm X 50mm (1.97" X 1.97")
100mm.....	70mm X 70mm (2.76" X 2.76")
150mm.....	100mm X 100mm (3.94" X 3.94")
200mm.....	140mm X 140mm (5.51" X 5.51")

Other lens configurations are available

MARKING SPEED*

- Up to 152m/minute (500ft./minute) line speed for “Mark-on-the-fly” applications
- 1300 characters/second

*Character marking speeds and production line speeds depend on material, character size and the desired marking quality.

SOFTWARE

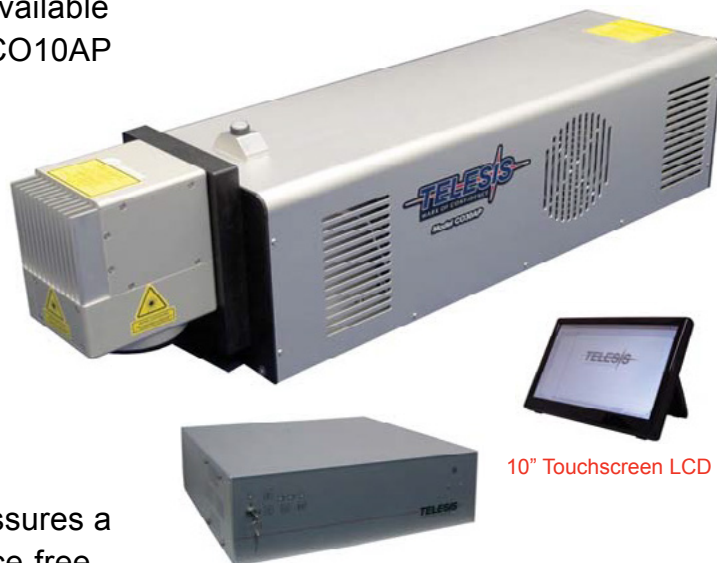
Software.....	MERLIN® II LS (see page 26)
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements

The TELESIS CO-Series AP Laser Markers, available in two different power levels, the 10W Model CO10AP and the 30W Model CO30AP are excellent choices for many plastic, fiberboard, anodized metal and label marking applications. They are perfect for “Marking-on-the Fly” as well as stationary marking. A 10” USB LCD touch screen controller is available for embedded applications. The unique 3 position rotatable scan heads can be configured to easily integrate the laser into your application (also available in a linear “straight shooter” marking configuration) and the RF-excited CO₂ tube assures a long life cycle as well with virtually maintenance-free operation. Due to their compact size and modular construction, the CO-Series AP markers can go almost any place they are needed on the plant floor.



Model C10 Controller

10” Touchscreen LCD

LASER MARKER SPECIFICATIONS

Compliance.....	CDRH, CE
Wavelength.....	10.6um
Laser Type.....	CO ₂
Average Power (CO10AP).....	Up to 10W
Average Power (CO30AP).....	Up to 30W
Marking Head Weight.....	15.0kg (33.0lbs.)(10W) 26.3kg (58.0lbs.)(30W)
Controller Weight	8.1kg (17.9lbs.)
CO10AP.....	90.5(L) x 12.7(W) x 20.6cm (H) (35.6" x 5.0" x 8.1")
CO30AP.....	86.7(L) x 21.1(W) x 22.7cm(H) (34.1" x 8.3" x 8.6")
Controller Dimensions.....	42.5(W) x 14.0 (H) x 50.4cm(D) (16.7" x 5.5" x 19.9")
Input Power.....	100–240 VAC, 50–60Hz
Maximum Power Consumption CO10AP.....	Less than 480W
Maximum Power Consumption CO30AP.....	Less than 850W
Cooling.....	Air Cooled, Fan/Filter (no water cooling required)
Operating Temperature Range ¹	10–40°C(50-104°F)
Humidity.....	10% to 90% Non-condensing

STANDARD LENS CONFIGURATIONS

FOCAL LENGTH	MARKING FIELD
75mm.....	50mm X 50mm (1.97" X 1.97")
100mm.....	70mm X 70mm (2.76" X 2.76")
150mm.....	100mm X 100mm (3.94" X 3.94")
200mm.....	140mm X 140mm (5.51" X 5.51")

Other lens configurations are available

MARKING SPEED²

- Up to 152m/minute (500ft./minute) line speed for “Mark-on-the-fly” applications
- Up to 1300 characters/second

SOFTWARE

Software.....	MERLIN® II LS (see page 26)
Operating System.....	Windows® 2000, Windows XP, Windows Vista™, Windows® 7, or Windows® 8 with Optional Embedded, Desktop or Rackmount PC
Communication Interface.....	Serial, TCP/IP, I/O

¹ Extended operational ranges for less than 100% duty cycle. The optimized cooling design provides the best performance at high temperatures available in the market for CO₂ markers.

² Character marking speeds and production line speeds depend on material, character size and the desired marking quality.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements

Laser Marking System Selection Guide

LASER SYSTEMS/ APPLICATIONS	UVC	EV40 &EV25DS	EV15DS EV10SDS	EVCDS/EVC
	335nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, High pulse energy, 2 Watt, UV laser marker	1064nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, 40 or 25 Watt Nd:YVO ₄ laser marker	1064nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, 15 Watt and 10 Watt, Nd:YVO ₄ laser marker	1064nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, compact, high reliability, 9 Watt and 8 Watt, Nd:YVO ₄ laser marker
Marking metals	Best choice for precision marking of delicate materials such as precious metals, plastics, ceramics, etc.	Excellent choice for high speed surface and deep marking of almost every type of metal.	Good choice for high speed surface and deep marking of almost every type of metal.	Good choice for surface marking of almost every type of metal with very small heat effected zone.
Marking plastics and label materials (3M, Tesa, etc.)	Best choice for high speed marking of plastics and label materials.	Excellent choice for high speed marking of plastics and label materials.	Excellent choice for high speed marking of plastics and label materials.	Good choice for marking plastics and label materials.
Marking silicon	Not a good choice	Excellent choice for deep marking of silicon.	Excellent choice for surface marking of silicon.	Can do surface marking of silicon.
Marking organic materials	Best choice for glass marking	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.
Marking high quality graphics	Excellent choice for high speed marking high resolution graphics due to small spot size.	Excellent choice for marking high resolution graphics due to small spot size.	Excellent choice for marking high resolution graphics due to small spot size.	Excellent choice for marking high resolution graphics due to small spot size.
Workstations	ProStation	ProStation	ProStation	Prostation MiniStation TablePro DrawerPro
Vari-Z 3-Axis Marking	Available	Available	Available on EV15DS	Available on EVCDS



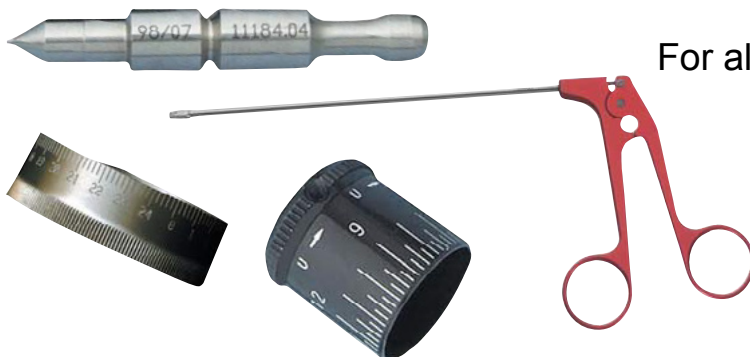
Laser Marking System Selection Guide

LASER SYSTEMS/ APPLICATIONS	FQ2H & FQD100	FQ50, FQ30, FQ20	FQ10	EY6DS
	1060nm wavelength, air-cooled, single phase, Q-switched, Dual 50 Watt Yb fiber laser marker	1060nm wavelength, air-cooled, single phase, Q-switched, 50,30, and 20 Watt Yb fiber laser marker (Will provide faster cycle times than FQ10.)	1060nm wavelength, air-cooled, single phase, Q-switched, 10 Watt Yb fiber laser marker	1064nm wavelength, air-cooled, single phase, diode end-pumped, Q-switched, 6 Watt, Nd:YAG laser marker
Marking metals	Best choice complex or multi-surface and deep marking of most metals. Special care is required for copper, brass or any other highly reflective or polished metals.	Better choice for surface and deep marking of some metals. Special care is required for copper, brass or any other highly reflective or polished metals.	Good choice for surface and deep marking of some metals. Special care is required for copper, brass or any other highly reflective or polished metals.	Good choice for surface and deep marking all metals.
Marking plastics and label materials (3M, Tesa, etc.)	Best choice for complex or multi-surface marking many plastics and label materials. (Some surface melting can occur due to long pulse width.)	Better choice for marking many plastics and label materials. (Some surface melting can occur due to long pulse width.)	Better choice for marking many plastics and label materials. (Some surface melting can occur due to long pulse width.)	Good choice for marking plastics and label materials.
Marking silicon	Capable of multi-surface and deep marking of silicon.	Capable of deep marking of silicon.	Capable of deep marking of silicon.	Capable of deep marking of silicon.
Marking organic materials	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.	Cannot mark wood. Can mark some other organic materials.
Marking high quality graphics	Can mark high quality graphics simultaneously in different locations	Can mark high quality graphics on some metals.	Can mark high quality graphics on some metals.	Excellent choice for marking high resolution graphics due to small spot size.
Workstations	ProStation	ProStation MiniStation TablePro DrawerPro	ProStation MiniStation TablePro DrawerPro	ProStation MiniStation TablePro DrawerPro
Vari-Z 3-Axis Marking	Not Available	Available	Available	Not Available



Laser Marking System Selection Guide

LASER SYSTEMS/ APPLICATIONS	EV4GDS	CO60	CO30AP	CO10A/CO10AP
	532nm wavelength; air-cooled; single phase; diode end-pumped, Q-switched, green laser marker	10.6um wavelength, air-cooled, single phase, RF excited, 60W CO ₂ laser marker (provides faster cycle times than CO30 series)	10.6um wavelength, air-cooled, single phase, RF excited, 30W CO ₂ laser marker (provides faster cycle times than CO10 series)	10.6um wavelength, air-cooled, single phase, RF excited, 10W CO ₂ laser marker
Marking metals	Excellent choice for high speed surface marking all metals with very small heat effected zone produced.	Can mark anodized metal surfaces. With short focal length lenses, can mark some non-plated metal surfaces.	Can mark anodized metal surfaces. With short focal length lenses, can mark some non-plated metal surfaces.	Can mark some anodized metal surfaces.
Marking plastics and label materials (3M, Tesa, etc.)	Excellent choice for marking plastics. Marks large variety of plastics.	Excellent choice for high speed marking plastics and some label materials.	Excellent choice for high speed marking of plastics and some label materials.	Excellent choice for high speed marking of plastics and some label materials.
Marking silicon	Excellent choice for surface marking of silicon.	Not recommended	Not recommended	Not recommended
Marking organic materials	Cannot mark wood. Can mark some other organic materials.	Excellent choice for marking wood and other organic materials.	Excellent choice for marking wood and other organic materials.	Excellent choice for marking wood and other organic materials.
Marking high quality graphics	Excellent choice for marking high resolution graphics due to small spot size. Highest resolution capability.	Can mark high quality graphics on plastics and on some anodized metal surfaces.	Can mark high quality graphics on plastics and on some anodized metal surfaces.	Can mark high quality graphics on plastics and on some anodized metal surfaces.
Workstations	ProStation TablePro DrawerPro	TablePro DrawerPro others consult factory	TablePro DrawerPro others consult factory	ProStation TablePro DrawerPro others consult factory
Vari-Z 3-Axis Marking	Available	Not Available	Not Available	Not Available



For all applications, it is highly recommended
that samples be sent to TELESIS for
qualification and testing purposes.



TMP7000 PINSTAMP® Single Pin Marking System

The **PINSTAMP®** TMP7000/470 is a robust single pin marker targeted at applications requiring extremely deep penetration marking. Its 4" x 6" (100mm x 150mm) marking window is ample for a wide range of applications and its TMC470 controller allows it to be easily integrated into most automated applications.



"We recommend TELESIS hardware to our clients because we believe it is the best marking equipment available. The success of our software business depends on high quality 2D Data Matrix™ dot peen marks and TELESIS consistently delivers quality marks – every day – every time!"

Chuck Stewart, Stewart Technologies Inc.

FEATURES

- Great for marking large characters and/or rough surfaces
- Large 4" x 6" (100mm x 150mm) marking window
- Marks up to 0.025" (0.63mm) deep in mild steel
- Self-Contained, state-of-the-art TMC470 controller features two serial ports, USB port and Ethernet port. (see page 33) as well as TMC600 touchscreen based controller (see page 32)
- Automatically generates serial numbers, date, time and shift codes
- Marks a wide range of materials from soft plastics up to hardened steel
- Stores up to 400 marking patterns

OPTIONAL ACCESSORIES

- Panel-mount and IP/NEMA-Rated controller options
- Marking head support tooling and balancers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com



Compact Self-Contained
TMC470 Controller — no PC required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

TMP6100 PINSTAMP® Single Pin Marking System

The TMP6100 is the most versatile **PINSTAMP®** marking head. It is easily integrated into either on or off-line applications. Since the marking pin can be positioned anywhere in the generous 6" x 12" (152mm x 304mm) marking window, the TMP6100 can mark any character height, style or number of lines desired. Its robotic design allows clear access to the marking window for loading and unloading of parts.

"The TELESIS Model 6100/470 is a top quality product. They run 6 days a week, 10 hours a day, all day long, and they are 'bullet-proof'. I'd recommend the TELESIS dotpeen (Pinstamp) to anybody who needs that type of product marker. It is one of the best machines that we have."

Bud Nelson, Secondary Manager,
Acutec Precision Machining



Compact Self-Contained
TMC470 Controller

FEATURES

- Large 6" x 12" (152mm x 304mm) marking window
- Unique rigid positioning drive features robotic technology
- Marks a wide range of materials from soft plastics to hardened steel — up to Rc60
- Dot density up to 200 dots-per-inch (79 dots-per-centimeter)
- Choice of interchangeable marking pin types for depths from 0.001" – 0.018" (0.02mm – 0.45mm)
- Pin travel accommodates surface irregularities to 0.25" (6mm)
- Self-Contained, state-of-the-art TMC470 controller features two serial ports, USB port and Ethernet port. (see page 33) as well as TMC600 touchscreen based controller (see page 32)
- RS232 or TCP/IP Host interface to download text to individual fields or call up entire patterns
- Automatically generates serial numbers, time, date and shift codes
- Easily interfaced to PLCs (Programmable Logic Controllers)
- Pattern backup via USB port
- Stores up to 400 marking patterns (files)

OPTIONS AND ACCESSORIES

- Rotary fixtures for marking circumferences of cylindrical parts
- Marking head mounting posts, including programmable Z-axis version (Extruded aluminum version shown in above picture)
- Logo/Font design Software Package for design of custom fonts or simple logos
- Powerful Windows-based **Merlin® III** software (see page 33)



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMP3200 PINSTAMP® Single Pin Marking System

The **PINSTAMP®** TMP3200/470 Single Pin Marking System features a large 4" x 6" (100mm x 150mm) marking window, and marking speeds up to six characters-per-second. Well suited for both bench top and factory-automated applications, its simple, yet robust belt-driven dual rail, X/Y platform yields high quality characters and low maintenance operation.



OPTIONAL ACCESSORIES

- Rotary fixtures for marking circumferences of cylindrical parts
- Marking head mounting post including programmable Z-axis version (Extruded aluminum version shown in above picture)
- Panel-mount and IP/NEMA-Rated Controllers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- Powerful Windows based **Merlin® III** software available (see page 33)

Compact Self-Contained
TMC470 Controller — no
PC required.



FEATURES

- 4" x 6" (100mm x 150mm) marking window
- Belt-driven, dual rail X/Y mechanism with superior wear characteristics
- Patented floating pin technology accommodates surface irregularities of up to 0.25" (6mm)
- Marks a wide range of materials from soft plastics to hardened steel — up to Rc60
- Choice of pin sizes for marking depths from 0.001" - 0.018" (0.03 mm - 0.45 mm)
- Self-Contained, state-of-the-art TMC470 controller features two serial ports, USB port and Ethernet port. (see page 33) as well as TMC600 touchscreen based controller (see page 32)
- Automatically generates serial numbers, date, time and shift codes
- Stores up to 400 marking patterns
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers
- Dot density up to 200 dots-per-inch (79 dots-per-centimeter)



A protective shutter assembly
shields the TMP3200 marking
head from liquid and solid
contaminants.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMP2100 PINSTAMP® Single Pin Marking System

The TMP2100 is the lowest cost **PINSTAMP®** marking system. The rugged TMP2100 marking head features a compact head with a 50 x 20mm (1.96 x .79 in.) window, and marking speeds up to six characters-per-second. It's an excellent choice for many factory-automated or on-line processes.



FEATURES

- 50 x 20mm (1.96 x .79 in.) marking window
- Rugged, low-maintenance X/Y platform with rack and pinion drive
- Compact Marking Head — approximately 6" x 5" x 3"
- Marks a wide range of materials from soft plastics to hardened steel — up to Rc60
- Shutter assembly protects marking head from solid and liquid contaminants
- Self-Contained, state-of-the-art TMC470 controller features two serial ports, USB port and Ethernet port. (see page 33) as well as TMC600 touchscreen based controller (see page 32)
- Dot density up to 200 dots-per-inch (79 dots-per-centimeter)
- Choice of interchangeable marking pin types for depths from 0.001" - 0.018" (0.03mm - 0.45mm)
- Pin travel accommodates surface irregularities to 0.25" (6mm)
- Automatically generates serial numbers, time, date and shift codes
- Stores up to 400 marking patterns
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers

OPTIONS AND ACCESSORIES

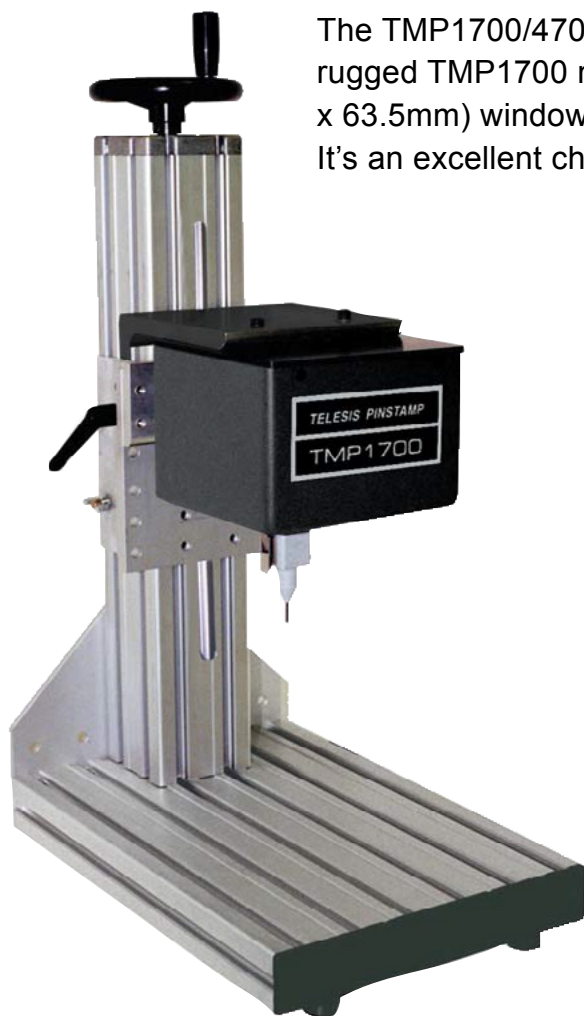
- Rotary fixtures for marking circumferences of cylindrical parts
- Marking head mounting post, including programmable Z-axis version
- Panel-mount and IP/NEMA Rated Controllers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- Powerful Windows based **Merlin® III** software
Electric Pin Version Available



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

TMP1700 PINSTAMP® Single Pin Marking System



The TMP1700/470 is the lowest cost **PINSTAMP®** marking system. The rugged TMP1700 marking head features a compact, 1-1/2" x 2-1/2" (38.1mm x 63.5mm) window, and marking speeds up to six characters-per-second. It's an excellent choice for many factory-automated or on-line processes.

FEATURES

- 1-1/2" x 2-1/2" (38.1mm x 63.5mm) marking window
- Rugged, low-maintenance X/Y platform
- Compact Marking Head — approximately 6.6" x 6.2" x 4.7" (168mm x 158mm x 120mm)
- Marks a wide range of materials from soft plastics to hardened steel — up to Rc60
- Shutter assembly protects marking head from solid and liquid contaminants
- Self-Contained, state-of-the-art TMC470 controller features two serial ports, USB port and Ethernet port. (see page 33) as well as TMC600 touchscreen based controller (see page 32)
- Dot density up to 200 dots-per-inch (79 dots-per-centimeter)
- Choice of interchangeable marking pin types for depths from 0.001" - 0.018" (0.03mm - 0.45mm)
- Pin travel accommodates surface irregularities to 0.25" (6mm)
- Automatically generates serial numbers, time, date and shift codes
- Stores up to 400 marking patterns
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers

OPTIONS AND ACCESSORIES

- Rotary fixtures for marking circumferences of cylindrical parts
- Marking head mounting post, including programmable Z-axis version (Extruded aluminum version shown in above picture)
- Panel-mount and IP/NEMA Rated Controllers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- Powerful Windows based **Merlin® III** software (see page 33)

Compact Self-Contained
TMC470 Controller



A protective shutter assembly shields the TMP1700 marking head from liquid and solid contaminants.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

TMP6100EAS Electric AutoSense PINSTAMP® Single Pin Marking System

The TMP6100EAS is a special electric pin configuration of the versatile TMP6100 **PINSTAMP®** marking head, specifically developed for 2-D code applications. It is easily integrated into either on or off-line applications and includes an electromagnetic marking pin and an **AUTOSENSE** motorized Z-Axis mounting post that ensures a consistent pin stroke for highly repeatable 2-D cell sizes. No operator intervention is required – pattern specific standoff setting ensures that the

critical standoff distance is consistently repeated -- A great tool for multiple plane marking. Since the marking pin can be positioned anywhere in the generous 6" x 12" (152mm x 304mm) marking window, the TMP6100EAS can mark any character height, style or number of lines desired. Its robotic design allows clear access to the marking window for loading and unloading of parts.



OPTIONS AND ACCESSORIES

- Rotary fixtures for marking circumferences of cylindrical parts
- Logo/Font design Software Package for design of custom fonts or simple logos
- Powerful Windows based **Merlin® III** software (see page 33)



Compact Self-Contained
TMC470 Controller — no PC required.

FEATURES

- Large 6" x 12" (152mm x 304mm) marking window
- Unique rigid positioning drive features robotic technology
- Marks a wide range of materials from soft plastics to hardened steel — up to Rc60
- Dot density up to 200 dots-per-inch (79 dots-per-centimeter)
- Self-Contained, state-of-the-art TMC470 controller features two serial ports, USB port and Ethernet port. (see page 33) as well as TMC600 touchscreen based controller (see page 32)
- RS232 or TCP/IP Host interface to download text to individual fields or call up entire patterns
- Automatically generates serial numbers, time, date and shift codes
- Easily interfaced to PLCs (Programmable Logic Controllers)
- Pattern backup via USB port
- Stores up to 400 marking patterns (files)



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMP3200EAS Electric AutoSense PINSTAMP® Single Pin Marking System

The TMP3200EAS is a special electromechanical pin configuration of the versatile TMP3200 **PINSTAMP®** marking head, specifically developed for 2-D code applications. It is easily integrated into either on or off-line applications and includes an electromagnetic marking pin and an **AUTOSENSE** motorized Z-Axis mounting post that ensures a consistent pin stroke for highly repeatable 2-D cell sizes. No operator intervention is required -- pattern specific standoff setting ensures that the critical standoff distance is consistently repeated -- A great tool for multiple plane marking. The TMP3200/470EAS Single Pin Marking System features a large 4" x 6" (100mm x 150mm) marking window, and marking speeds up to 2.5 characters-per-second. Well suited for both bench top and factory-automated applications, its robust dual stepper motor X/Y platform yields high quality characters and low maintenance operation.



FEATURES

- 4" x 6" (100 mm x 150 mm) Marking Window
- Dual stepper motor driven X/Y mechanism with superior wear characteristics
- Marks a wide range of materials from soft plastics to hardened steel — up to Rc60
- Can produce characters as small as .030" (0.76 mm) and dot densities of 10-200 DPI (4-79 dots per cm)
- Self-Contained, state-of-the-art TMC470 controller features two serial ports, USB port and Ethernet port. (see page 33)
- Automatically generates serial numbers, date, time and shift codes
- Stores up to 400 marking patterns
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers

OPTIONAL ACCESSORIES

- Rotary fixtures for marking circumferences of cylindrical parts
- Panel-mount and IP/NEMA-Rated Controllers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- Powerful Windows based **Merlin® III** software (see page 33)



Compact Self-Contained
TMC470 Controller — no
PC required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMP1700EAS Electric AutoSense PINSTAMP® Single Pin Marking System

The TMP1700EAS is a special electromechanical pin configuration of the versatile TMP1700 **PINSTAMP®** marking head, specifically developed for 2-D code applications. It is easily integrated into either on or off-line applications and includes an electromagnetic marking pin and an **AUTOSENSE** motorized Z-Axis mounting post that ensures a consistent pin stroke for highly repeatable 2-D cell sizes. No operator intervention is required – pattern specific standoff setting ensures that the critical standoff distance is consistently repeated -- A great tool for multiple plane marking. The TMP1700/470EAS is the lowest cost electromechanical **PINSTAMP®** marking

system. The rugged TMP1700EAS marking head features a compact, 1-1/2" x 2-1/2" (38.1mm x 63.5mm) window, and marking speeds up to six characters-per-second. It's an excellent choice for many factory-automated or on-line processes.

FEATURES

- 1-1/2" x 2-1/2" (38.1mm x 63.5mm) Marking Window
- Rugged, low-maintenance X/Y platform
- Compact Marking Head — approximately 6.6" x 6.2" x 4.7" (168mm x 158mm x 120mm)
- Marks a wide range of materials from soft plastics to hardened steel — up to Rc60
- Shutter assembly protects marking head from solid and liquid contaminants
- Self-Contained, state-of-the-art TMC470 controller features two serial ports, USB port and Ethernet port. (see page 33)
- Dot density up to 200 dots-per-inch (79 dots-per-centimeter)
- Automatically generates serial numbers, time, date and shift codes
- Stores up to 400 marking patterns
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers

OPTIONS AND ACCESSORIES

- Rotary fixtures for marking circumferences of cylindrical parts
- Panel-mount and IP/NEMA Rated Controllers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- Powerful Windows based **Merlin® III** software (see page 33)



Compact Self-Contained
TMC470 Controller



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMP4500E PINSTAMP® Single Pin Marking System

Mark up to .018 inches (0.46mm) deep in mild steel with the extremely robust yet highly portable **PINSTAMP®** Model TMP4500/470E hand held marking system. With an electromechanical pin that eliminates the need for any air supply, the TMP4500/470E is the perfect choice for applications requiring both portability and deep penetration marking.

FEATURES

- Ergonomic dual handle design
- Large 1" x 4" (25mm x 100mm) marking window
- Extremely robust design featuring rugged X-Y platform and all metal enclosure
- Powerful pin drive design for marking depths of up to 0.018" (0.46mm) in mild steel
- Weighs less than 6.6 pounds (3.0kg) - less electronic cables
- Marks at speeds up to 3 characters-per-second
- Self-Contained, state-of-the-art TMC470 controller features two serial ports, USB port and Ethernet port. (see page 33) as well as TMC600 touchscreen based controller (see page 32)
- Automatically generates serial numbers, date, time and shift codes
- Stores up to 400 marking patterns

OPTIONAL ACCESSORIES

- Bar code scanner for automatic data entry
- Quick disconnect toolposts for use in benchtop applications
- Cable balancer attachment kit
- V-block kit for marking cylindrical parts
- Logo-Font Design software package for the design of custom fonts and logos
- Battery operated carrying case mounted version



Compact Self-Contained
TMC470 Controller — no PC
required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMP4210 PINSTAMP® Single Pin Marking System

The **PINSTAMP®** TMP4210/470 is an extremely lightweight, hand-held, single pin marker satisfying a wide range of portable marking applications. Its robust rack-and-pinion design and compact envelope also make it the right choice for many high production, on-line applications.



FEATURES

- Simple, easy to use single pin design
- Compact and ergonomic; weighs about 4.4 pounds (2.0kg)
- Available with 25S or 150SA marking pin
- 2" x 0.5" (50mm x 13mm) marking window
- Economically priced
- Marks 1/8" (3mm) tall characters at up to 3.5 characters-per-second
- Utilizes same rugged rack-and-pinion X/Y platform as field-proven TMM4200
- Detachable electronics cable for improved serviceability
- Self-contained state-of-the-art TMC470 controller features two serial3ports, USB and Ethernet ports (see page 33) as well as TMC600 touchscreen controller (page 32)
- Also available without handle and stand-off for fixtured applications

OPTIONAL ACCESSORIES

- Panel-mount and IP/NEMA rated controller options
- Debris Shield Kit protects from solid contaminants
- Cable Balancer Attachment Bracket
- Marking Head Standoff V-Block kit for marking the circumference of cylindrical parts
- Quick disconnect tool post
- Bar code scanner for automatic data entry
- Logo-Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern (marking file) Back-up Utility available FREE from www.telesis.com



Compact Self-Contained
TMC470 Controller — no PC required.



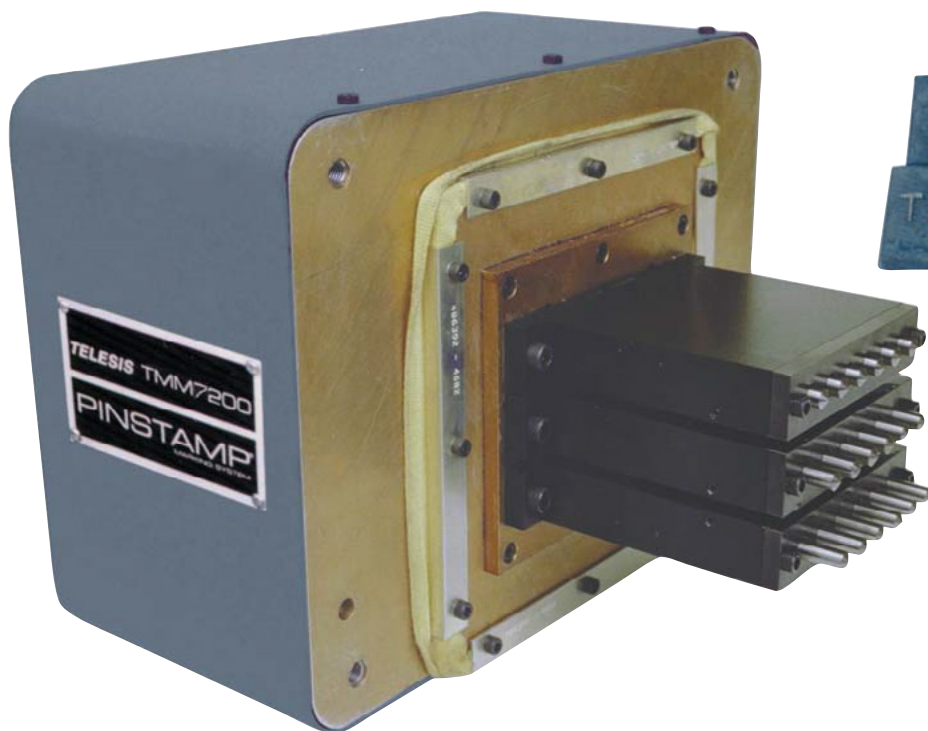
QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

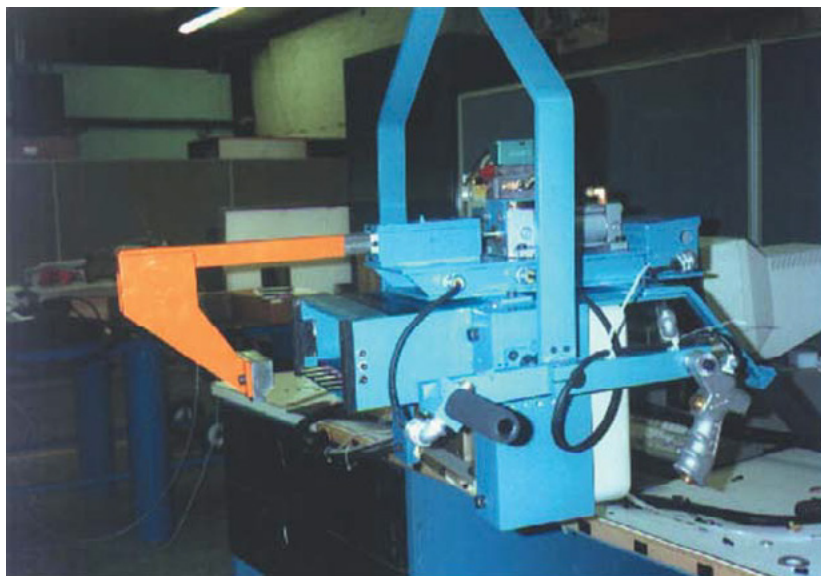


TMM7200/470 PINSTAMP® Multiple Pin Marking System

The **PINSTAMP®** TMM7200/470 is an extremely heavy duty multiple pin marking system configured on a “per project” basis to provide optimum solutions for individual applications. The TMM7200 is the right choice for the deep penetration marking required for large character sizes, or when marking especially rough surfaces. The flexible TMM7200 can be equipped with up to 21 marking pins, allowing it to print 21 characters in 1.5 seconds. In addition, marking pins can be located on varying horizontal and vertical center distances from 0.25” (6mm) to 1.75” (44.5mm) to provide a wide range of very large marking windows.



Compact Self-Contained
TMC470 Controller — no PC required.



The TMM7200 is easily adapted to custom
designs and fixturing options.



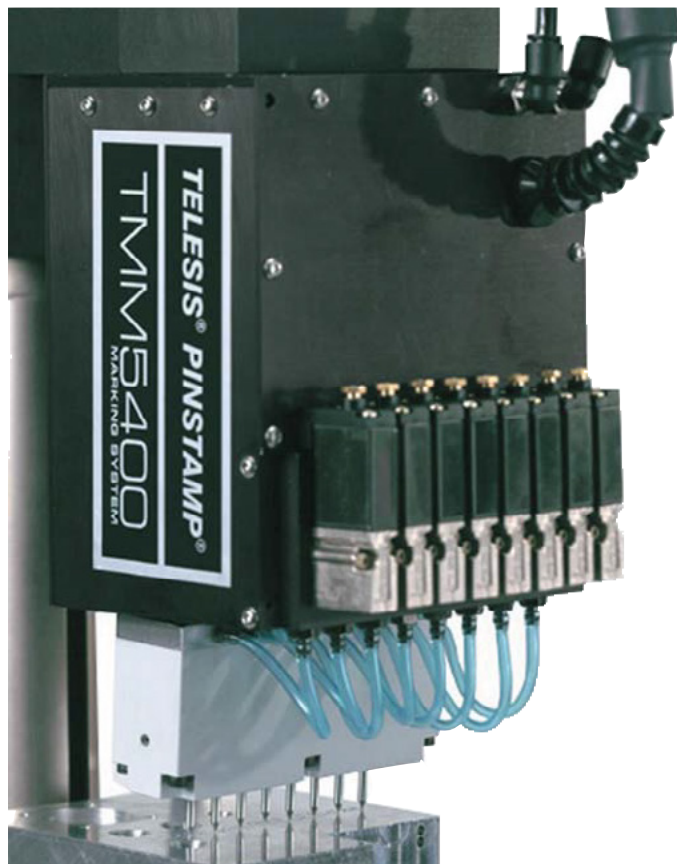
QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMM5400/470 PINSTAMP® Multiple Pin Marking System

Equipped with eight marking pins, the **PINSTAMP®** TMM5400/470 is the fastest dot peen marker available. Its speed and its compact envelope make it the perfect solution for many on-line, high-speed marking applications.



FEATURES

- Marks up to 16 characters-per-second
- Marking windows as large as 0.5" x 3.78" (13mm x 96mm)
- Two marking pin cartridge configurations available to optimize marking window size/cycle time combinations
- Extremely compact marking head for easy integration into factory-automated applications
- Marks a wide range of materials from soft plastics to hardened steel — up to Rc60
- TELESIS' patented "Floating Pin" technology accommodates surface irregularities up to 0.25" (6mm)
- Self-contained, state-of-the-art TMC470 controller features two serial ports, USB and Ethernet ports (see page 33)
- Automatically generates serial numbers, date, time and shift codes
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers
- Stores up to 400 marking patterns

OPTIONAL ACCESSORIES

- Panel-mount and IP/NEMA-Rated controller options
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com



Compact Self-Contained
TMC470 Controller — no PC
required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMM5100/470 PINSTAMP® Multiple Pin Marking System

Mark up to six characters-per-second with the **PINSTAMP®** TMM5100/470 Multiple Pin Marking System. Its lightweight, compact design and minimal footprint are ideal for hand-held, stand-alone or completely integrated, factory automated operations. A variety of pin sizes/configurations are available to mark character heights from .04" - .63" (1mm - 16mm) on a wide range of materials.



FEATURES

- High speed — up to six pins marking simultaneously
- Marking windows up to 0.625" x 4.5" (16mm x 114mm)
- Marks a wide range of materials from soft plastics to hardened steel — up to Rc60
- Available with a variety of marking pin cartridge configurations for the optimal combination of character size, marking depth, marking window size and cycle time
- Compact, rugged X/Y positioning mechanism
- The right choice for many VIN (Vehicle Identification Number) Marking Applications
- Self-contained, state-of-the-art TMC470 controller features two serial ports, USB and Ethernet ports (see page 33)
- Automatically generates serial numbers, time, date and shift codes
- Stores up to 400 marking patterns
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers
- Pin travel accommodates surface irregularities to 0.25" (6mm)

OPTIONAL ACCESSORIES

- Panel-mount and IP/NEMA-Rated controller options
- Marking head support tooling and balancers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com



Compact Self-Contained
TMC470 Controller — no PC required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMM4250/470 PINSTAMP® Multiple Pin Marking System

The **PINSTAMP®** TMM4250/470 Multiple Pin Marking System can mark up to eight characters-per-second. It is ideal for many on-line applications with severe spatial constraints — or in wet or dirty environments. The TMM4250 marking head features an extremely compact envelope and provides marking windows up to 0.5" x 2" (13mm x 50mm). It can be easily integrated within a wide range of manufacturing settings. A NEMA 12 (IP55) enclosure with industrial grade, protective rubber "boot" makes it highly resistant to both solid and liquid contaminants, including machine tool coolants.



OPTIONAL ACCESSORIES

- Panel-mount and IP/NEMA-Rated Controllers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com



FEATURES

- NEMA 12-Rated (IP55) with rubber boot for protection against solid and liquid Contaminants
- Extremely compact for ease of integration
- Available with four 25S or two 150SA marking pins
- Marks up to eight 0.125" (3mm) high characters-per-second
- Self-contained, state-of-the-art TMC470 controller features two serial ports, USB and Ethernet ports (see page 33)
- Stores up to 400 marking patterns
- Marking windows up to 0.5" x 2" (13mm x 50mm)
- Depths up to 0.013" (0.33 mm) in mild steel
- Rugged rack-and-pinion X/Y platform for low maintenance operation
- Detachable electronics cable for improved serviceability
- RS232 or TCP/IP Host interface to download text to individual fields or call up entire patterns
- Automatically generates serial numbers, date, time and shift codes
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers



Compact Self-Contained
TMC470 Controller — no
PC required.



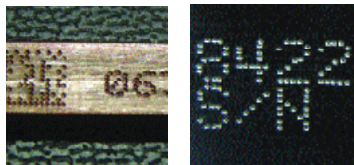
QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

The innovative **PINSTAMP®** dual-pin TMM4215 provides a 4" x 0.5" (100mm x 13mm) marking window, twice as large as that of the TMM4200. This lightweight, compact marker is available in both fixtured and hand-held configurations.



Shown with optional debris shield



OPTIONAL ACCESSORIES

- Panel-mount and IP/NEMA rated controller options
- Cable balancer attachment kit
- Marking head standoff V-Block Kit for marking on the circumference of cylindrical parts
- Quick-disconnect tool post
- Bar code scanner for automatic data entry
- Logo-Font Design Software package for design of custom fonts or logos
- PC-based upgrade utility available FREE from www.telesis.com for easy software upgrade
- PC-based Pattern (marking file) Back-up utility available FREE from www.telesis.com

FEATURES

- Compact, ergonomic design
- Weighs 4.5 pounds (2.0kg)
- Marks up to four 0.125" (3mm) high characters-per-second
- Available with the high-speed 25S marking pin or the deep marking 150SA pin
- Marking depths up to 0.013" (0.33mm) in mild steel
- Rugged rack and pinion X/Y platform for low maintenance operation
- Also available without handle and standoff for fixtured applications
- Detachable electronics cable for improved serviceability
- Self-contained, state-of-the-art TMC470 controller features two serial ports, USB and Ethernet ports (see page 33)
- Automatically generates serial number, time, date and shift codes
- Stores up to 400 marking patterns
- Easily interfaced to PLC's (Programmable Logic Controllers) and host computers

Compact Self-Contained
TMC470 Controller — no
PC required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



TMM4200/470 PINSTAMP® Multiple Pin Marking System

The unique **PINSTAMP®** TMM4200 Multiple Pin Marking Head can be equipped with up to four marking pins for very high speed marking, yet weighs only 4.5 pounds (2.0kg). Its light weight, compact ergonomic design, plus optional pistol-grip handle make the TMM4200 the ultimate hand-held permanent marker.

FEATURES

- Compact, ergonomic design
- Weighs 4.5 pounds (2.0kg)
- Available with four 25S or two 150SA marking pins
- Marks up to eight 0.125" (3mm) high Characters-Per-second
- Marking windows up to 0.5" x 2" (13mm x 50mm)
- Depths up to 0.013" (0.33mm) in mild steel
- Rugged rack-and-pinion X/Y platform for low maintenance operation
- Simple shutter plate protects head from solid and liquid contaminants
- Detachable electronics cable for improved serviceability
- Self-contained, state-of-the-art TMC470 controller features two serial ports, USB and Ethernet ports (see page 33)
- Also available without handle and stand-off for fixtured applications
- Automatically generates serial numbers, date, time and shift codes
- Stores up to 400 marking patterns
- Easily interfaced to PLCs (Programmable Logic Controllers) and host computers



OPTIONAL ACCESSORIES

- Panel-mount and IP/NEMA-Rated controller options
- Quick disconnect tool post
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com

Compact Self-Contained
TMC470 Controller — no
PC required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

The NOMAD 4000 is a fully portable, rechargeable, battery powered handheld marking system. Mark up to .011 inches (0.3mm) deep in mild steel with the extremely robust yet highly portable **NOMAD 4000** hand held marking system. With an electromechanical pin that eliminates the need for any air supply, the NOMAD 4000 is the perfect choice for applications requiring both portability and durability.



FEATURES

- Ergonomic dual handle design
- Large 1" x 4" (25mm x 100mm) marking window
- Extremely robust design featuring rugged X-Y platform and all metal enclosure
- Powerful pin drive design for marking depths of up to 0.011" (0.3mm) in mild steel
- Head weighs less than 6.6 pounds (3.0kg) - less electronic cables - controller weighs approx 7lbs
- Marks at speeds up to 3 characters-per-second
- Self-contained, state-of-the-art TMC470 based NOMAD controller with USB and scanner port
- Automatically generates serial numbers, date, time and shift codes
- Stores up to 400 marking patterns

OPTIONAL ACCESSORIES

- Bar code scanner for automatic data entry
- V-block kit for marking cylindrical parts
- Logo-Font Design software package for the design of custom fonts and logos



Compact Self-Contained
NOMAD Controller — no PC
required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

The NOMAD 2000 is a fully portable, rechargeable, battery powered handheld marking system. Mark up to .005 inches (0.125mm) deep in mild steel with the robust yet highly portable **NOMAD 2000** hand held marking system. With an electromechanical pin that eliminates the need for any air supply, the NOMAD 2000 is the perfect choice for applications requiring both portability and durability.



FEATURES

- Ergonomic dual handle design
- Large 1" x 4" (25mm x 100mm) marking window
- Robust design featuring rugged X-Y platform and all metal enclosure
- Powerful pin drive design for marking depths of up to 0.005" (0.125mm) in mild steel
- Head weighs less than 3.47 pounds (1.58kg) - less electronic cables - controller weighs approx 7lbs
- Marks at speeds up to 2 characters-per-second
- Self-contained, state-of-the-art TMC470 based NOMAD controller with USB and scanner port
- Automatically generates serial numbers, date, time and shift codes
- Stores up to 400 marking patterns

OPTIONAL ACCESSORIES

- Bar code scanner for automatic data entry
- V-block kit for marking cylindrical parts
- Logo-Font Design software package for the design of custom fonts and logos



Compact Self-Contained
NOMAD Controller — no PC
required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

The state-of-the-art servo-driven SS3700/470 **TeleScribe**[®] Marking System provides permanent low-noise marking at speed/depth combinations not previously attainable. Virtually silent, the SS3700's robust X/Y platform provides an ample 6" x 2" (152mm x 51mm) marking window, making it the optimum choice for many both manual and automated VIN marking applications, especially those with speed/depth requirements beyond those of traditional stepper motor-driven designs. Marker performance characteristics vary significantly depending on the specifics of the applications, including the material being marked, the thickness of the material and the air pressure setting.

When marking cold rolled steel with a thickness of .030" (.75mm) or more, marking depths of at least .004" (0.1mm) can be expected and when marking thinner, softer materials marking depths of up to .008" (0.2mm) can frequently be achieved, even at marking speeds of up to 2 characters-per-second for .276" (7mm) characters. The system's stand-alone TSC470 Controller is equipped with an integral keyboard and LCD display and provides a simple user friendly operator interface with no PC required. In addition, the TSC470's discrete I/O, serial and Ethernet ports provide the communications capabilities required for factory automated applications.



FEATURES

- Provides performance far beyond conventional step per motor-driven scribe markers.
- Permanent, virtually silent marking in a wide range of materials. (Maximum noise level approximately 72dba.)
- High speed marking of 2mm tall high quality characters at up to 2 characters-per-second.
- Marks at depths up to 0.1mm (.004") in cold rolled steel.
- Large 6" x 2" (152mm x 50.8mm) marking window
- Easily integrated into a wide range of automated on-line and manual applications.
- The perfect choice for many VIN marking applications.
- TSC470 controller based on field proven TMC470.

OPTIONAL ACCESSORIES

- Marking head mounting post with base
- Panel-mount and IP/NEMA-Rated Controllers (see page 55)
- Marking head support tooling and balancers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

The powerful, extremely heavy-duty **TeleScribe**[®] SC6000 is the right choice when deep, low noise marking is required. It is especially well-suited

for VIN (Vehicle Identification Number) marking applications as the marker can meet the .3mm export specification.



FEATURES

- Extremely low noise marking
- Powerful, rugged marking head drive mechanism for deep scribe marking
- Driven by high torque stepper motors
- 6.5 x 1.18 in. (165.1 x 30 mm) marking window
- Especially well suited for VIN (Vehicle Identification Number) applications
- Self Contained, state-of-the-art TMC470 controller features two serial ports, USB and Ethernet ports (see page 33) and TMC600 (see page 32)
- Automatically generates serial numbers, date, time and shift codes

OPTIONAL ACCESSORIES

- Marking head support tooling and balancers
- Panel-mount and IP/NEMA-Rated controller options
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers
- Marks a wide range of materials from soft plastics up to hardened steel
- Stores up to 400 marking patterns



Compact Self-Contained
TMC470 Controller — no PC required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards



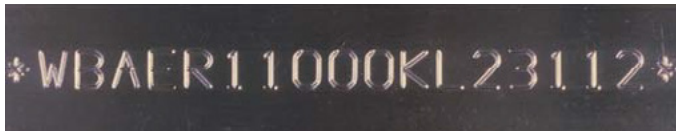
TeleScribe[®]
SC5000

SC5000 Marking System

The powerful, extremely heavy-duty **TeleScribe**[®] SC5000 is the right choice when deep, low noise marking is required.

FEATURES

- Extremely low noise marking
- Powerful, rugged marking head drive mechanism for deep scribe marking
- 2.5" x 7.5" (63.5mm x 190.5mm) marking window
- Self Contained, state-of-the-art TMC470 controller features two serial ports, USB and Ethernet ports (see page 33)
- Automatically generates serial numbers, date, time and shift codes
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers
- Marks a wide range of materials from soft plastics up to hardened steel
- Stores up to 400 marking patterns

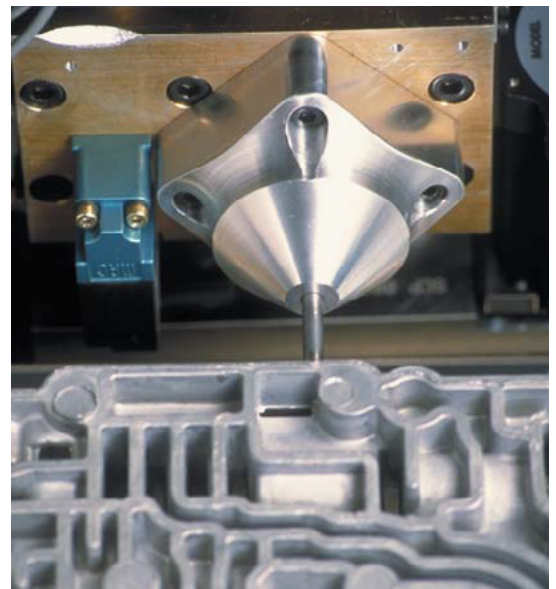


OPTIONAL ACCESSORIES

- Marking head support tooling and balancers
- Panel-mount and IP/NEMA-Rated controller options
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com
- Optional SS5500/470 Servo Motor Driven Versions Available For High Speed Applications



Compact Self-Contained
TMC470 Controller — no PC required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

Virtually silent, the economical **TeleScribe**® SC3500 inscribes high quality, continuous line characters in most metals and plastics. It is well suited for a wide range of automated on-line and stand-alone bench top applications.



FEATURES

- Extremely low noise marking
- Durable, heavy duty marking head provides large 4" x 6" (100mm x 150mm) marking window
- Economically priced Scribe Marker, well suited for a wide range of automated on-line and stand-alone Bench Top applications
- Self contained, state-of-the-art TMC470 controller features two serial ports, USB and Ethernet ports (see page 33)
- Automatically generates serial numbers, date, time and shift codes
- Easily interfaced to PLCs (Programmable Logic Controllers) and Host Computers
- Marks a wide range of materials from soft plastics up to hardened steel
- Stores up to 400 marking patterns

OPTIONAL ACCESSORIES

- Marking head mounting post with base
- Panel-mount and IP/NEMA-Rated Controllers (see page 55)
- Marking head support tooling and balancers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com



Compact Self-Contained
TMC470 Controller — no PC required.



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

The SC2500 and SC2000 **TeleScribe**[®] Marking Systems provide permanent low-noise marking in a more compact footprint. The robust X/Y stepper motor driven platform provides an ample 3.94" x 1.57" (100mm x 40mm) for the SC2500/470 or a 2.95" x 1.57" (75mm x 40mm) marking window for the SC2000/470. Both are offered with a wide selection of marking pins and make it an excellent choice for many manual and automated marking applications, especially those with speed/depth requirements beyond those of traditional stepper motor-driven designs. This marker is not for marking 2D data matrix codes but for the continuous marking of human readable characters and symbols. Marker performance characteristics vary significantly depending on the specifics of the applications, including the material being marked, the thickness of the material and the air pressure setting. When marking cold rolled steel with a thickness of .030" (.75mm) or more, marking depths of at least .002" inches (0.05mm) can be expected and when marking thinner, softer materials marking depths of up to .003" (0.075mm) can frequently be achieved, even at marking speeds of up to 2 characters-per-second for .125" (.3mm) characters. The system's stand-alone TMC470 Controller is equipped with an integral keyboard and LCD display and provides a simple user friendly operator interface with no PC required. In addition, the TMC470's discrete I/O, serial and Ethernet ports provide the communications capabilities required for factory automated applications.



FEATURES

- Compact scribe marker head that weighs approximately 13.2lbs(6 kg).
- Provides performance far beyond conventional stepper motor-driven scribe markers.
- Permanent, virtually silent marking in a wide range of materials. (Maximum noise level approximately 72dBA.)
- High speed marking of .118" (3mm) tall high quality characters at up to 2 characters-per-second.
- Marks at depths up to .002" (0.05mm) in cold rolled steel.
- 3.94" x 1.57" (75mm x 40mm) marking window (SC2500/470) or 2.95" x 1.57" (75mm x 40mm) marking window (SC2000/470)
- Easily integrated into a wide range of automated on-line and manual applications for use with continuous characters or symbols.

OPTIONAL ACCESSORIES

- Marking head mounting post with base
- Panel-mount and IP/NEMA-Rated Controllers
- Marking head support tooling and balancers
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com
- Powerful Windows based **Merlin**[®] III software available



Compact Self-Contained
TMC470 Controller — no PC required.

The **BenchMark® 460** is a fully programmable, cost effective alternative to old-fashioned permanent marking techniques for parts too large or heavy to be carried to a marking station. Its hand-held marking head is lightweight and ergonomically designed, while providing a generous 1" x 4" (25mm x 100mm) marking window. An electromechanical marking pin eliminates the need for any air supply, making the **BenchMark® 460** truly portable.



FEATURES

- Compact, ergonomic marking head weighs only 3.75 pounds (1.7kg)
- Generous 1" x 4" (25mm x 100mm) marking window
- High quality, permanent, programmable marking on a wide range of materials — from soft plastics to hard metals up to Rc60
- No consumables
- Electromechanical marking pin eliminates the need for air supply
- Marks up to 5 characters-per-second
- Automatically generates serial numbers, as well as date, time and shift codes

OPTIONAL ACCESSORIES

- Bar Code Scanner for automatic data entry
- Logo-Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern (marking file) Back-up Utility available FREE from www.telesis.com
- **Benchmark® 460+** version with enhanced communications capabilities



Compact Self Contained
BenchMark® 470
Controller - no PC
required

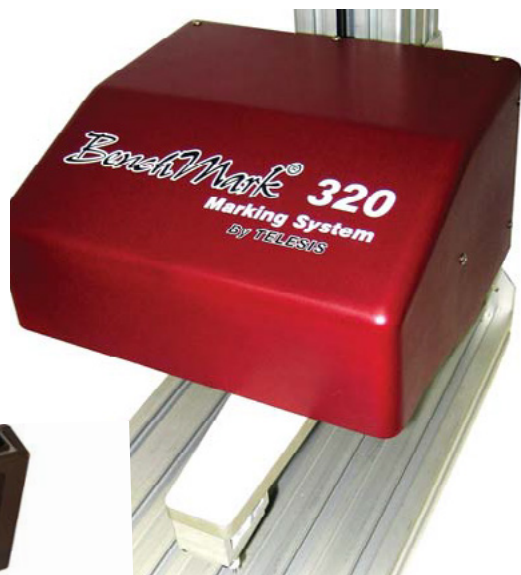
Fully programmable
Battery Operated
BenchMark® 460
with charger fully
packaged in a rugged,
convenient carrying case



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

The **BenchMark® 320** is an extremely versatile yet economically priced benchtop marking system. It offers a generous 4" x 6" (100mm x 150mm) marking window large enough to satisfy almost any application. And its unique marking arm design is extremely convenient for parts loading and unloading as well as marking pattern design. The system is self-contained with compact controller and rugged extruded aluminum mounting post and base.



"I want to thank TELESIS for manufacturing a product that performs as well in real life as it states in your literature. Our new BenchMark® 320 Marking System from TELESIS has performed above our expectations since putting it into service. The BenchMark® 320 greatly simplified our identification tag printing process and provided Krispy Kreme with "just in time" tag production capabilities. If you are looking for high quality, flexibility and reliability in permanent marking equipment, TELESIS has the solution."

Jeff Renz, Krispy Kreme

FEATURES

- High quality, permanent, programmable marking on a wide range of materials — from soft plastics to hard metals up to Rc60
- Large 4" x 6" (100mm x 150mm) marking window
- Marking arm allows clear access for loading and unloading of parts
- Electromechanical marking pin eliminates the need for air supply
- Marks up to 5 characters-per-second
- Automatically generates serial numbers, as well as date, time and shift codes
- Compact, convenient controller with membrane keyboard and LCD display — no PC required

OPTIONAL ACCESSORIES

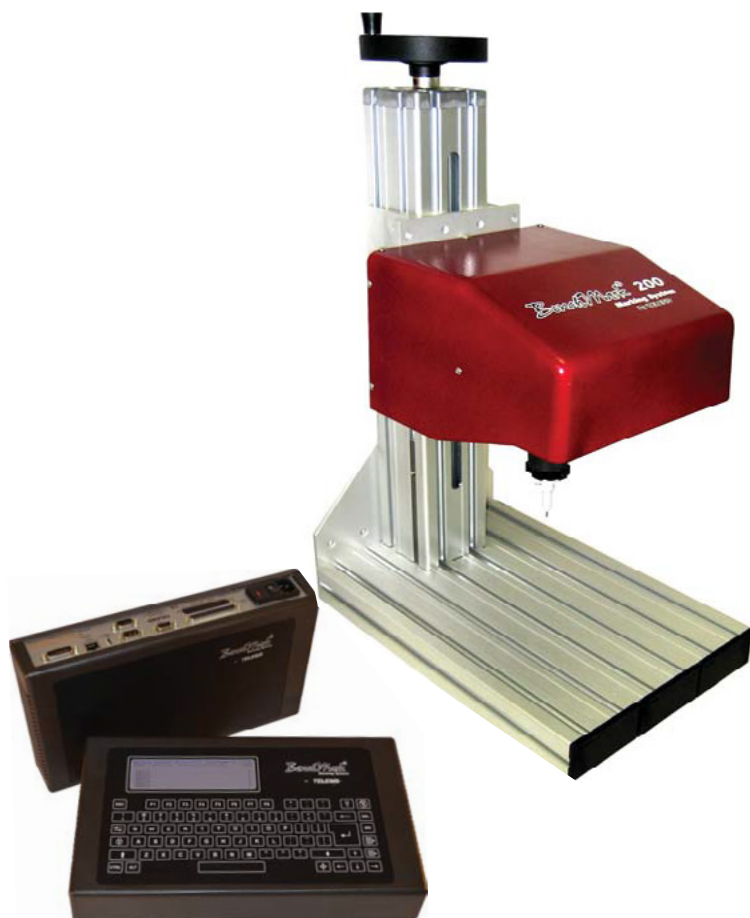
- Rotary fixture for marking circumferences of cylindrical parts
- Bar Code Scanner for automatic data entry
- Start-Print footswitch and pushbutton station
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com
- **Benchmark® 320+** version with enhanced communications capabilities
- **Benchmark® 320M** system with Windows based **Merlin® III** software available (see page 33)



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

The **BenchMark® 200** is an extremely economical, fully programmable alternative to old-fashioned permanent marking techniques. This complete system, with self-contained controller and extruded aluminum marking head mounting post and base, is the right choice for many stand-alone bench top marking applications. An electromechanical marking pin eliminates the need for any air supply, making it easy to move the **BenchMark® 200** from one work area to another.

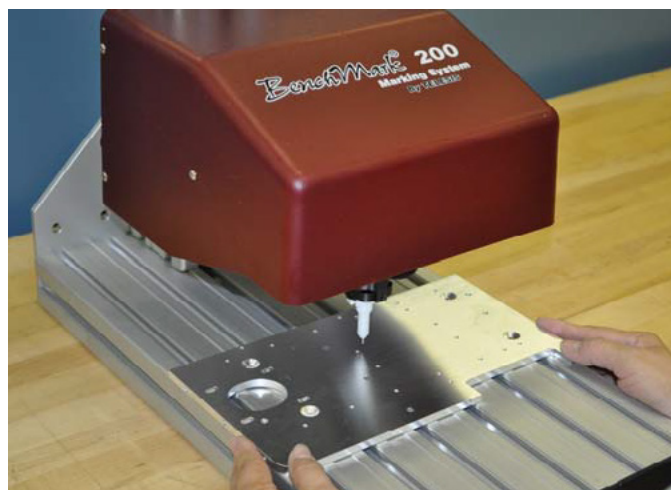


FEATURES

- Extremely affordable
- High quality, permanent, programmable marking on a wide range of materials — from soft plastics to hard metals up to Rc60
- Ample 4" x 4" (100mm x 100mm) marking window
- Electromechanical marking pin eliminates the need for air supply
- Marks up to 5 characters-per-second
- Automatically generates serial numbers, as well as date, time and shift codes
- Compact, convenient controller with membrane keyboard and LCD display — no PC required

OPTIONAL ACCESSORIES

- Rotary fixture for marking circumferences of cylindrical parts
- Bar Code Scanner for automatic data entry
- Start-Print footswitch and pushbutton station
- Logo/Font design software package for design of custom fonts or logos
- PC-Based Upgrade Utility available FREE from www.telesis.com for easy software upgrade
- PC-Based Pattern Back-up Utility available FREE from www.telesis.com
- **Benchmark® 200+** version with enhanced communications capabilities



QR Code Web Page Product Link

DATA MATRIX™ 2-D Code Marking Capability
Meets all Department of Defense UID Requirements
and other industry standards

Pin Marking System Selection Guide

FEATURES	TMP7000	TMP6100	TMP3200	TMP2100
	Heavy Duty Large Character Deep Penetration Marking	Versatile Tabletop Marker for Batch Processing/Job Lots or On-Line Processes	Cost Effective On-Line High Speed Marking	Extremely Cost Effective On-Line High Speed Marking
Controller	TMC600 / TMC470	TMC600/TMC470	TMC600/TMC470	TMC600 / TMC470
Hand-Held Applications	Consult Factory	No	Consult Factory	Consult Factory
Mark Depth (Based on Rb53 Material Hardness)	0.001-0.022 in (0.03-0.56mm)	0.001-0.013 in (0.03-0.33mm)	0.001-0.013 in (0.03-0.33mm)	0.001-0.013 in (0.03-0.33mm)
Noise Level	Moderate	Moderate	Moderate	Moderate
Computer Host Interface	Yes	Yes	Yes	Yes
Computer Required	No	No	No	No
Marking Speed - MAX	Up to 2 Char/Sec	Up to 3 Char/Sec	Up to 6 Char/Sec	Up to 6 Char/Sec
Maximum Marking Window Size	4.0 x 6.0 in. (101.6 x 152.4mm)	6.0 x 12.0 in. (152.4 x 304.8mm)	4.0 x 6.0 in. (101.6 x 152.4mm)	1.96 x .79 in. (50 x 20mm)
Maximum Character Height	4.0 in. (101.6mm)	6.0 in. (152.4mm)	4.0 in. (101.6mm)	.79" (20mm)
Programmable "Z" Axis	Consult Factory	Optional	Optional	Optional
Maximum No. of Pins	1	1	1	1
Multiple Line Marking	Yes	Yes	Yes	Yes
Arc Text	Yes	Yes	Yes	Yes
Continuous Characters	Yes	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software	Optional Software
2-D Codes	Yes	Yes	Yes	Yes
Serialization	Yes	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes	Yes
Surface Irregularities	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)
Number of Std. Fonts	3	3	3	3
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software	Optional Software
Circumferal Marking	No	Optional	Optional	Optional
Resolution	Up to 200dpi (79d/cm)	Up to 200dpi (79d/cm)	Up to 200dpi (79d/cm)	Up to 200dpi (79d/cm)
Power	115 or 220VAC	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	60-100 PSIG (4.1-9.9 Bars)	60-100 PSIG (4.1-9.9 Bars)	60-100 PSIG (4.1-9.9 Bars)	60-100 PSIG (4.1-9.9 Bars)
Electric Versions Available	No	Yes	Yes	Yes

Pin Marking System Selection Guide

FEATURES	TMP1700	TMP4500E	TMP4210	TMM5400
	Extremely Cost Effective On-Line High Speed Marking	Portable Hand-Held Deep Penetration Electric Pin Marking	Hand-Held Marking or Fixtured Applications with Severe Spatial Constraints	8-Pin Marking Head for Extremely High Speed On-Line Applications
Controller	TMC600 / TMC470	TMC600/TMC470	TMC600*/TMC470	TMC600*/TMC470
Hand-Held Applications	Consult Factory	Consult Factory	Yes	Consult Factory
Mark Depth (Based on Rb53 Material Hardness)	0.001-0.013 in. (0.03-0.33mm)	0.001-0.018 in. (0.03-0.46mm)	0.001-0.013 in. (0.03-0.33mm)	0.001-0.010 in. (0.03-0.25mm)
Noise Level	Moderate	Moderate	Moderate	Moderate
Computer Host Interface	Yes	Yes	Yes	Yes
Computer Required	No	No	No	No
Marking Speed - MAX	Up to 6 Char/Sec	Up to 4 Char/Sec	Up to 8 Char/Sec	Up to 32 Char/1.5 Sec
Maximum Marking Window Size	1.5 x 2.5 in. (38.1 x 63.5mm)	1.0 x 4.0 in. (25.4 x 101.6mm)	0.5 x 2.0 in. (12.7 x 50.8mm)	0.5 x 3.78 in. (12.7 x 96.0mm)
Maximum Character Height	1.5 in. (38.1mm)	1.0 in. (25.4mm)	0.5 in. (12.7mm)	0.5 in. (12.7mm)
Programmable "Z" Axis	Optional	No	No	No
Maximum No. of Pins	1	1	1	8
Multiple Line Marking	Yes	Yes	Yes	Yes
Arc Text	Yes	Yes	No	No
Continuous Characters	Yes	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software	Optional Software
2-D Codes	Yes	Yes	Yes	Yes
Serialization	Yes	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes	Yes
Surface Irregularities	Up to 0.25 in. (6.0mm)	Up to 0.1 in. (2.5mm)	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)
Number of Std. Fonts	3	3	3	3
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software	Optional Software
Circumferential Marking	Optional	No	No	No
Resolution	Up to 200dpi (79d/cm)	Up to 80dpi (31 d/cm)	Up to 200dpi (79 d/cm)	Up to 200dpi (79 d/cm)
Power	115 or 220VAC	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	60-100 PSIG (4.1-9.9 Bars)	None	60-100 PSIG (4.1- 6.9 Bars)	60-100 PSIG (4.1- 6.9 Bars)
Electric Versions Available	Yes	Yes	No	No

* Availability Pending

Pin Marking System Selection Guide

FEATURES	TMM5100	TMM4250	TMM4215/TMM4200	SS3700
	Rapid, On-Line, Hand-Held, or Automated Marking, VIN Numbers	Fixed Applications in Wet or Dry Environments	High Speed Lightweight Hand-Held Marking or Fixtured Applications with Severe Spatial Constraints	High Speed Heavy Duty Large Character Deep Penetration Scribe Marking
Controller	TMC470	TMC470	TMC470	TMC470
Hand-Held Applications	Consult Factory	No	Yes	Consult Factory
Mark Depth (Based on Rb53 Material Hardness)	0.001-0.013 in (0.03-0.33mm)	0.001-0.013 in (0.03-0.33mm)	0.001-0.013 in (0.03-0.33mm)	Varies
Noise Level	Moderate	Moderate	Moderate	Very Low
Computer Host Interface	Yes	Yes	Yes	Yes
Computer Required	No	No	No	No
Marking Speed - MAX	Up to 6 Char/Sec	Up to 8 Char/Sec	4200 - Up to 8 Char/Sec 4215 - Up to 4 Char/Sec	Varies with character size
Maximum Marking Window Size	0.625 x 4.5 in. (16.0 x 114.0mm)	0.5 x 2.0 in. (12.5 x 50.8mm)	0.5 x 4.0 in. (13.0 x 100.0mm)	6.0 x 2.0 in. (152.4 x 50.8mm)
Maximum Character Height	0.63 in. (16.0mm)	0.5 in. (12.7mm)	0.5 in. (12.7mm)	6.0 in. (152.4mm)
Programmable "Z" Axis	No	No	No	Consult Factory
Maximum No. of Pins	6	4	4200 - 4 Pins 4215 - 2 Pins	1
Multiple Line Marking	Yes	Yes	Yes	Yes
Arc Text	No	No	No	Yes
Continuous Characters	Yes	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software	Optional Software
2-D Codes	No	Yes	Yes	No
Serialization	Yes	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes	Yes
Surface Irregularities	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)	Up to 0.25 in. (6.0mm)	Up to 0.30 in. (7.0mm)
Number of Std. Fonts	2	3	3	2
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software	Optional Software
Circumferential Marking	No	No	No	No
Resolution	Up to 200 dpi (79d/cm)	Up to 200 dpi (79d/cm)	Up to 200 dpi (79d/cm)	Continuous
Power	115 or 20VAC	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)
Electric Versions Available	No	No	No	No

* Availability Pending

Pin Marking System Selection Guide

FEATURES	SC6000VIN	SC5000	SC3500	S2500/SC2000
	Nearly Silent Deep Penetration Scribe Marking	Nearly Silent Deep Penetration Scribe Marking	Nearly Silent Moderate Penetration Scribe Marking	Nearly Silent Moderate Penetration Scribe Marking
Controller	TMC600/TMC470	TMC600/TMC470	TMC600/TMC470	TMC600/TMC470
Hand-Held Applications	Consult Factory	Consult Factory	Consult Factory	Consult Factory
Mark Depth (Based on Rb53 Material Hardness)	Varies	Varies	Varies	Varies
Noise Level	Very Low	Very Low	Very Low	Very Low
Computer Host Interface	Yes	Yes	Yes	Yes
Computer Required	No	No	No	No
Marking Speed - MAX	Varies with character size	Varies with character size	Varies with character size	Varies with character size
Maximum Marking Window Size	6.5 x 1.18in. (165.1 x 30mm)	7.5 x 2.5 in. (190.5 x 63.5mm)	6.0 x 4.0 in. (152.4 x 101.6mm)	SC2500 - 3.9 x 1.6 in. (100mm x 40mm) SC2000 - 3.0 x 1.6 in. (75mm x 40mm)
Maximum Character Height	1.18in (30mm)	7.5 in. (190.5mm)	6.0 in. (152.4mm)	Any characters at any angle within the marking window
Programmable "Z" Axis	Consult Factory	Consult Factory	Consult Factory	Consult Factory
Maximum No. of Pins	1	1	1	1
Multiple Line Marking	Yes	Yes	Yes	Yes
Arc Text	Yes	Yes	Yes	Yes
Continuous Characters	Yes	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software	Optional Software
2-D Codes	No	No	No	No
Serialization	Yes	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes	Yes
Surface Irregularities	Up to 0.50 in. (12.5mm)	Up to 0.50 in. (12.5mm)	Up to 0.30 in. (7.0mm)	Up to 0.30 in. (7.0mm)
Number of Std. Fonts	2	2	2	2
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software	Optional Software
Circumferential Marking	No	No	No	No
Resolution	Continuous	Continuous	Continuous	Continuous
Power	115 or 220VAC	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)	60-100 PSIG (4.1-6.9 Bars)	60-120 PSIG (4.1-8.3 Bars)
Electric Versions Available	No	No	No	No

Pin Marking System Selection Guide

FEATURES	BenchMark® 460	BenchMark® 320	BenchMark® 200
	Stand-Alone Hand-Held Applications	Stand-Alone Benchtop Applications	Stand-Alone Benchtop Applications
Controller	BM470	BM470	BM470
Hand-Held Applications	Yes	Yes	Yes
Mark Depth (Based on Rb53 Material Hardness)	0.001-0.010 in. (0.03-0.25mm)	0.001-0.010 in. (0.03-0.25mm)	0.001-0.010 in. (0.03-0.25mm)
Noise Level	Moderate	Moderate	Moderate
Computer Host Interface	Optional	Optional	Optional
Computer Required	No	No	No
Marking Speed - MAX	Up to 5 Char/Sec	Up to 5 Char/Sec	Up to 5 Char/Sec
Maximum Marking Window Size	1.0 x 4.0 in. (25.4 x 101.6mm)	4.0 x 6.0 in. (101.6 x 152.4mm)	4.0 x 6.0 in. (101.6 x 152.4mm)
Maximum Character Height	1.0 in. (25.4mm)	4.0 in. (101.6mm)	4.0 in. (101.6mm)
Programmable "Z" Axis	No	No	No
Maximum No. of Pins	1	1	1
Multiple Line Marking	Yes	Yes	Yes
Arc Text	Yes	Yes	Yes
Continuous Characters	Yes	Yes	Yes
Logos	Optional Software	Optional Software	Optional Software
2-D Codes	Yes	Yes	Yes
Serialization	Yes	Yes	Yes
Date Codes	Yes	Yes	Yes
Surface Irregularities	Up to 0.1 in. (2.5mm)	Up to 0.1 in. (2.5mm)	Up to 0.1 in. (2.5mm)
Number of Std. Fonts	3	3	3
User Defined Custom Fonts	Optional Software	Optional Software	Optional Software
Circumferential Marking	No	Optional	Optional
Resolution	Up to 80 dpi (31 d/cm)	Up to 80 dpi (31 d/cm)	Up to 80 dpi (31 d/cm)
Power	115 or 220VAC	115 or 220VAC	115 or 220VAC
Air Supply	None	None	None
Electric Versions Available	Yes	Yes	Yes



En Vinssa somos distribuidores en México de los sistemas de marcaje Telesis, amplia línea de codificadores láser, pinstamp y scribe para la identificación y trazabilidad industrial, con una excelente durabilidad y servicio incomparable.

¿Tienes un proyecto en puerta?

Te invitamos a enviarnos un mensaje si necesitas asesoría e implementación de un sistema de marcaje en tu empresa.



info@vinssa.com



01800 500 1222

Contáctanos

