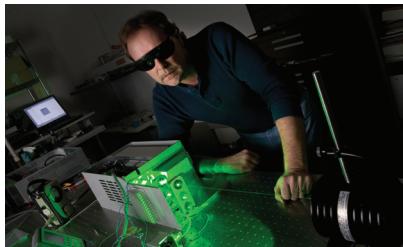




Your Identification and Processing Solutions Source



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, 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. 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 available with the DS (Dual Safety Shutter) option.

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 60W CO60 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.



PIN MARKING SYSTEMS

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 $\frac{1}{4}$ " 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 10 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.

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.



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.

**To learn more or to discuss a Custom Engineered Marking System,
call (800)654-5696 TODAY – or visit us at www.telesis.com.**

*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.

AEROSPACE

Precision. Quality. Permanence. TELESIS has been helping the Aerospace industry meet and exceed the ATA SPEC 2000 direct part marking standard for more than 40 years with robust equipment, innovative engineering, and dependable service and support. TELESIS PINSTAMP® dot peen marking systems are designed to permanently mark a wide range of materials, including plastics, steel, and aluminum. We offer the largest range of configurations and accessories available, and all of our markers are built with precision servo driven stepper motors to quickly and accurately position the marking pin in the correct location within 0.00125". Our unique and proprietary pneumatic floating pin



technology allows you to mark uneven or curved surfaces precisely with a minimum of moving parts, and our industrial rated guide rails, gearing and motors all combine to provide our customers with a robust, dependable marking system capable of meeting their specific needs. TELESIS pulsed laser products have a long history of industrial success in direct part marking. Accurate, fast, and reliable, our lasers offer the widest range of solutions for your marking requirements. We were first to market with the introduction of the TELESIS FQ fiber laser in 2003, and continue to innovate and expand our offerings with the EV and CO families of galvo steered part marking lasers. Let TELESIS help you select the right product for your SPEC2000 application. TELESIS is more than just marking equipment, we supply a full range of support for your Aerospace application, with our Merlin® Design software, our Custom Engineering Group for Turn Key solutions, and our 24 hour Technical Support Center, we are here for you.

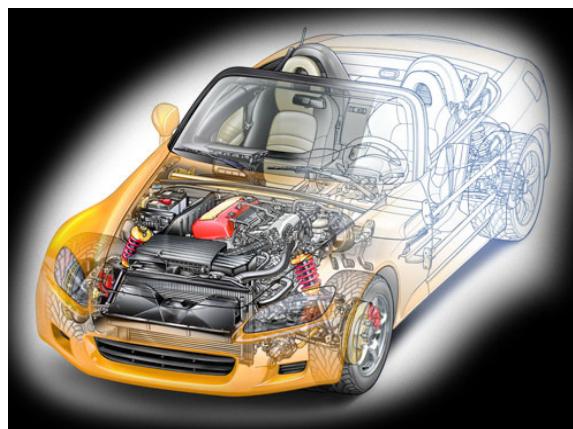
AUTOMOTIVE

TELESIS has over 40 years experience as the leading Automotive part marking solutions provider in the industry. TELESIS Technologies not only meets all AIAG requirements for marking, but we have been part of the work group responsible for creating the various stringent industry specifications. From single or multi pin, electric or pneumatic PINSTAMP® systems, to the state-of-the-art solid-state YVO₄, pulsed fiber and CO₂ laser marking systems, TELESIS

continues its leading role as the key supplier to the automotive manufacturing sector. TELESIS has had VIN systems placed in factories over 25 years ago that are still operating today. The longevity of our systems are matched only by our ongoing service and support by our global corporation that is part of every marking system sold by TELESIS. Along with our PINSTAMP® sys-

tems, TELESIS prides itself on our robust laser systems like the TELESIS EV4GDS - Green Laser Marker; driving your overall ownership costs down with no down time or consumables. This laser marker has a patented robust mechanical and optical design that can operate in industrial environments where shock, vibration and dust often cause problems for other laser and conventional marking systems.

With a vast background in engineered marking solutions including robotics, vision, 2D verification and conveyor systems, TELESIS offers full turnkey sys-



tems through its in-house engineering team to serve your every marking and traceability application. When it comes to automotive part marking solutions, TELESIS has been "The driver" for over 40 years!

ELECTRONICS

TELESIS Laser Marking Systems provide traceability for a wide range of electronic components and appliances. We offer a variety of 532nm and 1064nm YVO₄, pulsed fiber, and CO₂ to suit your specific requirements.

From circuit boards and keypads to delicate micro chips and capacitors, high-speed laser marking is the answer for many manufacturers.

The specialty laser marking solution for your electronics parts

is the TELESIS EV4GDS Green Laser System. It is ideal for marking and processing difficult materials; colored plastics, acrylic and polymer materials and is perfectly positioned for use in the electronics, semiconductor

packaging and highly reflective materials. The fiber-coupled diode-pumped solid-state (DPSS) green wavelength laser marking system features optimized laser beam and Q-switched pulse characteristics for applications that require high beam quality and stability. In addition, the TELESIS EV4GDS Green Laser Marking System offers extra power and speed for precision marking, and is an excellent choice for laser marking, scribing, trimming and other material processing applications. In addition, our material handling experts have

years of experience, so they can work with you to develop the most effective solutions to your most sophisticated electronics part-marking challenges. We can provide material handling systems for standard component, high-volume manufacturing lines-- as well as for batch marking, and lower-volume parts lines.



FIREARMS AND DEFENSE

TELESIS Technologies has been the leader in robust, innovative, and dependable industrial permanent marking solutions for more than 40 years, and offers a wide range of PINSTAMP® and laser products to satisfy the unique identification requirements of the Defense and Firearms markets. Whether you need to meet the deep engraving requirements of CFR 478 and 479, add a UII barcode to meet the Department of Defense UID specification MIL STD 130N, or simply want to permanently brand your product with your logo and company ID, TELESIS has the solution! Our broad family of laser marking systems provides the versatility to satisfy almost every marking surface processing technique required. Whether it's marking polymers, composites, permanent color change in your product such as annealing metal, deep engraving in excess of

0.020" in steel, or anodized coating bleaching or removal; TELESIS Technologies can help. Our FQ, EV and CO families of lasers offer proven reliable marking solutions. These lasers are

extremely dependable in high production manufacturing environments, with expected pump diode lifetimes that can exceed 500,000 hours. In addition to our laser marking systems, is our trusted world-famous, low stress

PINSTAMP® marking systems. Low cost, durable, and available in a range of models, they are the choice in DPM applications. With text, logos, and 2-D codes marked to depths in excess of 0.020" in steel, programmable text heights and 2-D matrix capable, they offer a proven economical solution for your industry.

FIREARMS AND DEFENSE (CONTINUED)

With our floating pin technology, TELESIS PIN-STAMP® units are the better option for marking on uneven and rounded frame and barrel components; they are also available in a range of configurations for ease of use, operation, and integration, with electric or pneumatic options. Overseeing it all is our Merlin® visual design and control software, available for both LASER and PINSTAMP® product lines. This full function software allows the customer to design, integrate, and record messages and data easily, and reliably using a Window's based PC. This software offers WYSIWYG (What You See Is What You Get) design capability with remote data import and export, log, and recording options (particularly helpful with UID and CFR recording requirements). Automatic Serialization, date codes, time codes, graphics, logos, 1 and 2-D barcodes including QR and UID configurations allow you to meet your CFR and UID requirements with ease. All of our products come standard with TELESIS' renowned service and support, industry leading warranties, and the access to over 40 years of knowledge and experience in the marking industry with our custom Engineering and Applications Department. Our Process Lab is the largest in the US, and available to test your process, record the results and present a complete recommendation to you to insure the best result for your application. Always made in the USA, TELESIS is the company that quality Defense Suppliers and Firearms Manufacturers turn to for all their DPM (Direct Parts Marking) requirements per the following standard specifications:

- ATF/ Code of Federal Regulations 27 CFR 478.92 and 479.102
- MIL-STD-130N
Department of Defense (UID / UII)
- ISO/IEC 15434
- ISO/IEC 16022
- SAE AS9132A

TELESIS is a GSA supplier; #GS-25F-0042R

HEAVY EQUIPMENT

The TELESIS name has a 40 year proven track record of providing turnkey solutions to the Heavy Equipment Manufacturing Industry. Our history involves Fortune 500 companies producing everything from earth moving machines to heavy truck frames. Our wide assortment of products affords us the opportunity to satisfy virtually all identification needs. PINSTAMP® and TELESCRIBE® products are designed to provide the deepest of VIN (vehicle identification number) marking on a variety of components. Engines, transmissions, components and structural frames are just a few of the parts we have marked. Each marker has been designed to provide identification, that not only survives secondary processing (e.g. heat treating, blasting, coating, etc.), but survives the life cycle of the part in the harshest of environments. Integrated laser markers, vision systems and databases have been successfully implemented into a wide range of production line operations to control manufacturing and



data collection processes. By providing high contrast marks on a variety of components and tracking them through the entire manufacturing operation, TELESIS Technologies is able to provide extremely valuable information to manufacturing engineering and quality controls. Implementation of this type of turnkey system at a world renowned heavy equipment supplier has resulted in a cost savings of dollars in recalls.

INDUSTRIAL

Since 1982 we have been the supplier of choice for Industrial Identification & Traceability Equipment. Companies such as Ford, Chrysler, General Motors, Volvo, Delco, GE Aerospace, Boeing, Pratt & Whitney, Nordson and AT&T trust TELESIS to provide quality solutions within their production processes. Our product line has been developed by meeting a wide range of manufacturing demands. Today, TELESIS offers the broadest standard selection of permanent identification and material processing systems available in the world. Whether your products are plastic or delicate medical instruments, large diesel engines or tiny 1/8" bolts, you'll benefit from our extensive design and product integration experience.



OIL & ENERGY

For over 40 years, TELESIS Technologies has been supplying permanent direct part marking solutions for the energy Industry. Our robust equipment offers a heavy duty solution to the harsh production environments of the component manufacturers to the Oil and Energy industries. Dot matrix indent marking is a proven method of marking text and 2-D matrix barcodes onto the steel pipe and tube components used in the oil supply and refining markets. Capable of indenting greater than 0.10" depth into steel, and with character sizes up to 2.0" in height, makes this technology perfect for customers needing a durable, long lasting mark capable of surviving the outdoor and underground environments industry products typically find themselves in. In addition to our dot peen products, TELESIS manufactures the widest array of galvo steered

marking laser systems in the industry. With the TELESIS' PC based Merlin® visual design software, they offer a complete solution for your marking requirements. All of TELESIS equipment offers the advantage of TELESIS' 24 hour Technical support, with on-site service and support via TELESIS trained technicians for worry free operation. Custom installations and turnkey applications are welcome and supported by our Custom Engineered Solutions Group.

MEDICAL

At TELESIS, we have more than 40 years experience in producing turn-key marking and traceability solutions to the world's largest and most respected manufacturing companies in the world.

As the needs of medical device manufacturers continue to become more stringent, TELESIS has proven our commitment to serving up solutions for medical device industry by partnering with our clients by focusing on their needs for medical market specific high quality, close tolerance workstations along with state-of-the-art laser systems. Through our investments in laser technology and innovative software packages, along with our process expertise and material handling know-how, we have developed a portfolio of capabilities that is second to none. Our large installed base of laser marking systems demonstrates the focus TELESIS has in the medical device marketplace. Exceptional laser marking solutions, standardized to simplify the medical device manufacturing process.

MEDICAL (CONTINUED)

TELESIS has developed a broad line of laser sources that is designed specifically for medical device marking. This versatility allows us to mark virtually any material whether the need is corrosion-proof annealing, deep engraving, and high contrast 2D matrix codes to meet HIBCC standards, "color" marking on SS and titanium, or virtually any type of traceability on any material. Medical device corrosion resistant marking on implants and surgical instruments.



Are you concerned with achieving corrosion resistance and surviving passivation with your laser marking of critical surgical implants? Are you having problems meeting the tight laser marked graduation tolerance specifications and repeatability on those medical instruments?

Does your medical device laser marking application require the flexibility that only robotics can deliver or does a closed-loop XY with Theta answer as the best solution? Isn't it time you own a laser with a software solution that offers an operator interface with test mark power adjust, barcode scan for pattern load and variable text, and a log function to track the critical FDA data for marking, traceability, and validation? TELESIS offers a Medical Manufacturing Standards "best fit" laser workstation and material handling solution with our full in-house engineering staff to customize to your specific application when needed!



CODING AND MARKING

TELESIS Technologies is your solution provider for your packaging applications requiring permanent laser marking on labels, product, packages and vessels. Our years of experience in pharmaceutical, cosmetic, food industries and others serve as a vast knowledge base to answer all your packaging needs. We offer a full array of "First-In-Class" laser solutions for marking/coding on everything packaging, and every laser is completely air-cooled. No one has more experience in marking/coding and traceability on static or "Mark-On-The-Fly" applications. With thousands of marking systems installed in packaging, automotive, medical and aerospace applications around the world, and with static or dynamic at rates of over 1,000 feet per minute and 1300 characters-per-second, TELESIS Technologies is the expert! We can provide flexible solutions, with custom or standard lasers to fit your application, and an expert team with packaging backgrounds second to none.

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 with custom software needs, TELESIS Applications Engineers will work with you to solve your parts handling and software integration needs, and tailor any of our standard marking products to match your specific application. You can expect a responsive, cost-effective, quality design solution to meet your unique requirements.



Service and Support

All of our systems — standard and custom — are designed and built to your specifications at our 46,000 square foot (4087 square meter) facility located in Circleville, Ohio. We maintain state-of-the-art manufacturing tools for all of the mechanical, electrical and software functions needed to support your marking system. TELESIS also maintains Sales, Service and Distribution Offices in The Netherlands, Germany, England, and China.



Customer Service

At TELESIS, Customers come First. Our Customer Support Specialists are fully trained to help with

questions on pricing, product capabilities, accessories, spare parts and availability. They provide timely up-dates on the status of your order. Call us at **(800)654-5696** for the answers to any of your questions!



Technical Service

We back our customers with support and service for every system we build world-wide. This includes on-site installation and start-up by our experienced Field Service Engineers. They'll even train your operating personnel — further assurance that your TELESIS Marking System will perform dependably.

Have a technical question or concern? TELESIS Service Technicians are available 24 hours a day — every day — to help you. Often, they can troubleshoot and fix a problem over the phone, saving you time and money. Call our Technical Service Department at **(800)867-8670** or e-mail us at: service@telesistech.com.



Training



TELESIS' commitment to customers is evident in our Training Facility. It features classroom-oriented and hands-on product training by experienced instructors. Our 3,000 square foot facility gives us the flexibility to easily accommodate up to 40 people in a classroom setting. Smaller groups use product work-stations for a very effective, individual learning experience. Customized on-site training for the customer can be also be developed as needed to meet the customers needs.

Our Warranty and Guarantee

Every TELESIS Marking System carries a complete Parts and Service Warranty. During this time, we can send replacement parts, free of charge, overnight in the continental United States. Plus, we have component exchange programs for reconditioned equipment to reduce downtime. Extended Service warranties are available for all TELESIS Marking Equipment. Contact your TELESIS Representative or our Customer Service Department for details.



**At TELESIS, we're dedicated to support you
for the life of your Marking System.
We're with you 100% of the way.**