

M A R K I N G S Y S T E M S

L A S E R



THE ONLY LASER MARKING SYSTEMS  
WITH THE TELESIS COMMITMENT TO  
RELIABLE PERFORMANCE.

**TELESIS**  
MARK OF CONFIDENCE

## Every Telesis Laser Solution Begins with Listening.

Due to the nature of laser marking, and the many choices available, worldwide application support and process development are key components in every Telesis solution.

In our conveniently located application development labs in the US, Europe, China, and Taiwan, Telesis laser specialists work with you to deliver a system that is optimized to provide the performance you require. For particularly challenging applications, we have the ability to tap into advanced expertise at the Telesis Industrial Laser Center in Fremont, California, where cutting-edge product development on advanced technologies such as green and UV laser sources is ongoing.

Of course, when you need a straightforward laser solution, we can quickly put together a package to meet your needs promptly and cost effectively.

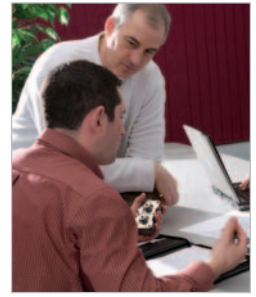
At Telesis, we provide laser marking systems and workstations that fit your level of need. With our line of standard enclosures and accessories such as toolposts, rotary drives, focus-finder diodes, and more, it is easy to put together a complete flexible platform for quick delivery. Should a more integrated system be required, our engineers can work with a range of material handling, vision, and communication technologies that can help solve even the most challenging requirements. Our support goes far beyond just selecting the right laser source, and we'll tailor our approach to meet your realities.

Our laser marking clients trust us, because we take ownership of every turnkey project. Your dedicated Telesis project manager will be your single point of contact, so that you can have all questions answered without the wasted time and money that can occur when you're trying to find the right person among multiple vendors.

In short, we work one-on-one with you to make sure the laser marking solution operates the way you need it to. Then we back up that capability with 24/7 customer support and technical assistance around the world, to keep you up and running at all times.

### Laser Software

Telesis's exclusive Merlin II LS Windows®-based software provides anything from basic text or standard bar or 2D-codes to the ability to import a wide range of graphic formats to make your programming job easier. This customizable software, combined with the Automated Marking Interface (AMI) option, provides all the functionality needed to coordinate input and output signals with other factory systems. It also provides a database of parts marked and enables control of part positioning through optional x/y, rotary, and z-axis drives. Nearly any conceivable marking requirement is possible with Merlin software, and the straightforward interface design makes even the most complex marking requirements seem easy.



## STRAIGHT TALK ABOUT LASER MARKING.

There is one company known not just for innovation and leadership in laser marking technology, but also for problem-solving prowess. Telesis was one of the first to apply fiber lasers for marking applications, and we now offer a wide range of laser systems for a multitude of marking and material processing applications.

At Telesis, we provide more than well-engineered laser marking system solutions, we give you the confidence that you're going with the best. Telesis brings several advantages to laser marking applications.

**Years of experience in industrial marking applications.** While some firms may manufacture a capable laser, it needs to work in the real world. At Telesis, we have spent decades implementing PinStamp® pin-marking solutions for the automotive, aerospace and other demanding industries. This background assures that our systems are durable enough to withstand hostile environments. Telesis laser marking systems don't just work in the lab, they work reliably day after day on production lines.

**Broad range of technologies.** Telesis offers a broad range of laser marking solutions. By working with all major laser marking technology platforms – fiber, solid state, and CO2 – we are able to meet your specific marking needs. We don't have to force-fit you into a predefined solution based on a limited product range.

**Passionate focus on marking applications.** Some laser providers offer laser marking systems, but their true focus is on laser processing or other applications. We don't operate in the wider laser world – we are committed to meeting the challenges posed by direct-part laser marking applications. Our research and application development focuses on marking. It is a classic example of laser marking as a core business, not a niche application.

All laser marking systems are not created equal. At Telesis, we use our expertise in permanent marking to make sure your laser marking solution has the speed, ease of use and robustness to exceed your expectations.

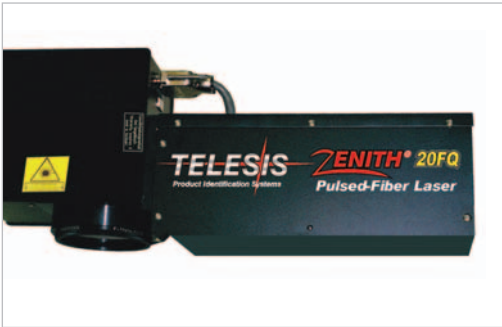


### Our installed base: a record of unmatched success.

Many of the world's top companies use Telesis laser marking for their product identification, tracking and traceability needs. These companies include:

Smith & Nephew  
Ford Motor Company  
General Motors  
Case New Holland  
Federal Mogul  
Parker Hannifin  
Medtronic  
Johnson & Johnson  
Siemens  
Caterpillar  
Goodrich  
American Axle Manufacturing  
Hyundai  
Eaton  
L'Oreal  
Timken  
US Navy  
Kennametal  
Delphi  
Sumitomo  
Honeywell  
Bosch  
Raytheon  
BAE  
Chrysler  
ABB

Every Telesis laser marking system is designed tough, to stand up to the daily conditions common on a factory floor. Most systems offer essentially maintenance-free operation for years, allowing you to focus your time and efforts on what you do best.



**F-Series Fiber Lasers** POWER RANGE: 10 – 20W Q-SWITCHED

F-Series fiber lasers are ideal for industrial situations, typically marking a range of metals or plastics, where a robust compact marking system is desired. The durable design is perfect for integration into a high-volume production line, and a dual-scanning head version can further boost production throughput.



**E-Series Solid State Lasers** POWER RANGE: 5 – 15W

E-Series diode-pumped YAG and vanadate laser systems, available in different harmonics, offer improved beam quality, increased depth of focus, and higher peak powers compared to fiber lasers – for fine marking, heat-sensitive materials (metal foils, silicon, plastics, etc.), and applications where higher consistency is required.



**S-Series and L-Series Lasers** POWER RANGE: 50, 100W

S-Series and L-Series high-power lamp- and diode-pumped YAG lasers are designed for applications requiring deeper engraving, annealing, or drilling in harder metals, or in situations where increased throughput is a goal. This technology is also a superior choice for marking challenging metals such as titanium in medical or aerospace applications.



**C-Series CO2 Lasers** POWER RANGE: 10 – 50W

Proven C-Series CO2 lasers are used for marking organic materials such as plastics, leather and wood, especially in food/beverage or packaging applications, and typically provides the most economic solution to marking these materials.

## Training

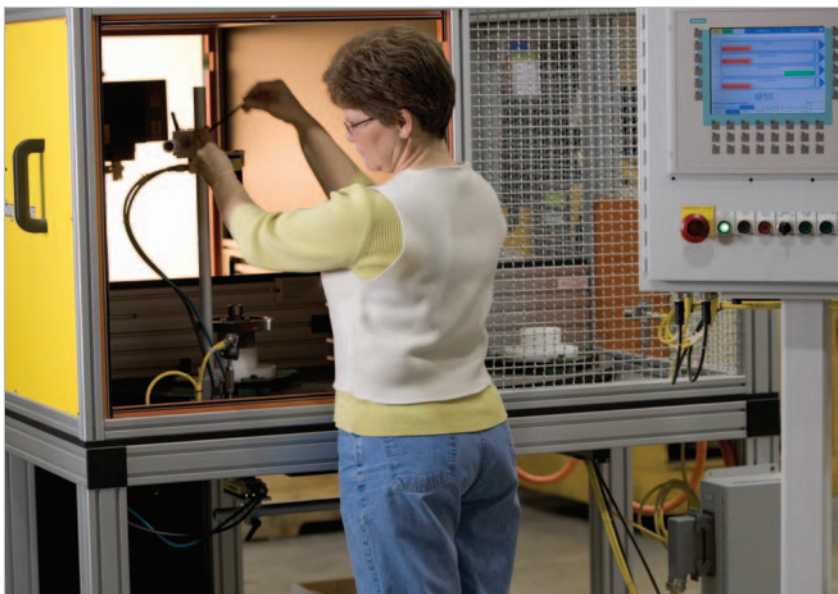
Our training capability features both classroom instruction and hands-on training by experienced instructors. Up to 40 people can be accommodated in our classrooms, while smaller groups can benefit from individual sessions at product work stations. We can arrange for customized training, as well as online training for your employees who get involved with laser marking in the future.

## Service and Warranty Protection

Our highly trained staff of dedicated laser technical service engineers is ready to offer you more top quality, responsive service options than any other competitor. And we make these exceptional services available worldwide, through our seven international locations along with our network of more than 100 distributors and representatives.

Every Telesis laser system carries a complete parts and service warranty. Plus, exchange programs for reconditioned equipment can get you up and running with a like-new system as soon as possible.

Since planned maintenance and periodic calibration is critical to your laser performance, we also have a Custom Planned Maintenance program – structured to accommodate your specific needs – that can maximize your uptime.





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For more information on Laser systems, or for your  
PinStamp® Pin-marking or TeleScribe® marking brochure  
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