

Laser Systems Speedy **FineMarker**



Marking and
Engraving of Metals
and Plastics.

The World Leader in Laser Engraving Technology

trotec[®]
laser engraving technology

YAG-Technology. More **Power** ... To Enable More **Possibilities**.



Boost your business with the Speedy FineMarker from Trotec

Trotec's **Speedy Nd:YAG FineMarker** is a powerful tool to meet the high performance demands of today's industrial marking and engraving applications. Whether your application involves a single part or an entire product series, the Speedy FineMarker is the right choice for you.

The new **Trotec YAG** technology supports ...

- Direct marking and engraving of metal parts
- Surface removal (epoxal surfaces, powder coating, varnish)
- Marking for the medical, automotive, and aerospace industries
- Permanent color change of already dyed plastics
- No contact or manual interference
- ... and much more.

Expand your service offering with new capabilities

The **Speedy FineMarker** supports the marking and engraving application that your industrial customers demand for the permanent and contactless marking of metal and dyed plastics. The system addresses both current and future marking and labeling needs.

Secure your long-term investment with Speedy FineMarker

With the Speedy FineMarker, you can achieve the following benefits:

- **Universal support for applications small or large—single part or product series**

With a working surface of 735 x 436 mm (29 x 17"), the Speedy FineMarker can complete any size order with maximum efficiency.

- **Record speed for every application—from marking metal to dyeing plastics**

A complex project such as marking stainless-steel ballpoint pens runs up to 10 times faster with Speedy FineMarker than with other technologies. So you can be more productive, and see a return on your investment in no time.

- **High-precision functionality—contact-free**

The Nd:YAG source of the Speedy FineMarker has an extremely thin laser beam, making precise engraving of fonts as small as 1 point possible. With the increased use of micro fonts, this feature is also particularly useful for counterfeit protection. Plus, our contact-free mechanisms ensure that expensive and delicate parts remain untouched, and thus undamaged.

- **Total control of your laser system – right from your PC**

Operating the Speedy FineMarker is as simple as using the laser printer in your office. With your own PC and our proven **AD-Logic Software™**, you will have total control over your laser system. Your laser jobs will run transparently in the background, so you can continue to use your PC for other tasks.

Any Application ... To Support Every Need



Plastic ABS



Plastic Ball Point Pens



Stainless Steel



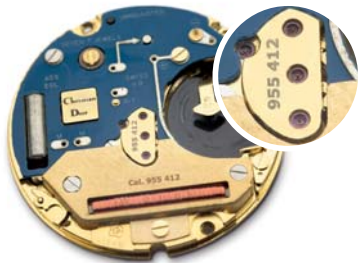
Brass
600 x 400 mm
(24 x 16")



Plastic
70 x 45 mm (3 x 1.8")
Micro font 1 point



Tin



Micro font on
Brass



Stainless Steel Bracelet



Marking of tools

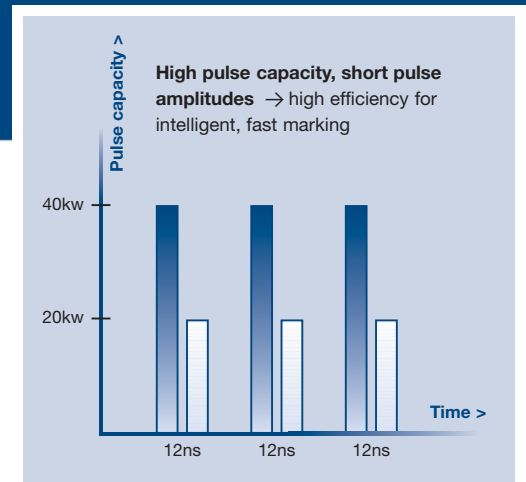
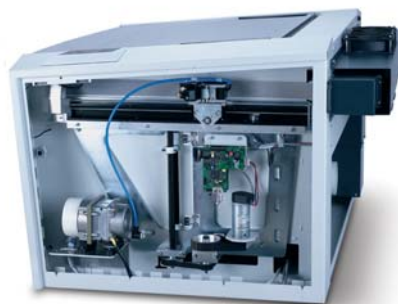
Mark any product ...

- electronic components
- automobile or airplane parts
- printed circuit boards
- medical components
- metal signs
- jewelry
- gifts and promotional items,
- goblets
- type plates
- tin goods
- ... and more.

Process any material ...

- aluminum
- anodised aluminum
- metals
- coated and precious metals
- ceramics
- plastics (coated or dyed)
- vinyl
- ... and more.

Elegant Design ... Backed By Powerful **Technology**



■ Speedy Finemarker YAG
□ Standard YAG

• Dimensions:	1128 x 924 x 600 mm / 44 x 36 x 24"
• Approx. Weight:	130 kg
• Max. part dimensions:	735 x 436 x 200 mm / 29 x 17 x 7.8"
• Processing speed:	200 cm (79") / second, acceleration 5g
• Accuracy:	Addressable accuracy: 5µm Static repeat accuracy: < ±15µm
• Mechanical design:	Fully enclosed housing with double security system Laser Protection Class 1 or 2 (including laserpointer) X-axis drive with maintenance-free, brushless DC servo motor, <i>InPack-Technology™</i> for maintenance-free operation
• Laser equipment and laser power:	Nd:YAG laser, maintenance-free, air-cooled 1064 nm ("red" laser) → standard 532 nm (green laser) → enhanced marking of plastics 355 nm (ultraviolet laser) → cold marking of plastics / titanium Diverse power levels available Choice of lenses: 1.5, 3.2 or 4 inches (standard lens is 3.2 inches) Many options available
• Warranty:	1 year (excluding optics) 5000 hours of operation for diode module

A Complete Package ... And A Host Of Value-Added Accessories



Sophisticated features, included standard with every system:

- **Laser pointer:** The laser pointer will indicate exactly where the laser beam will land, ensuring a precise positioning and marking, every time.
- **Automatic focus:** Our built-in automatic focus capabilities work in concert with the auto-focus features in the AD-Logic software so you can effectively zero in on your exact target.
- **Ferromagnetic work table:** Speedy FineMarker allows effortless positioning of thin materials, such as foils, using magnets.

Custom accessories, designed to extend the value of your laser system:

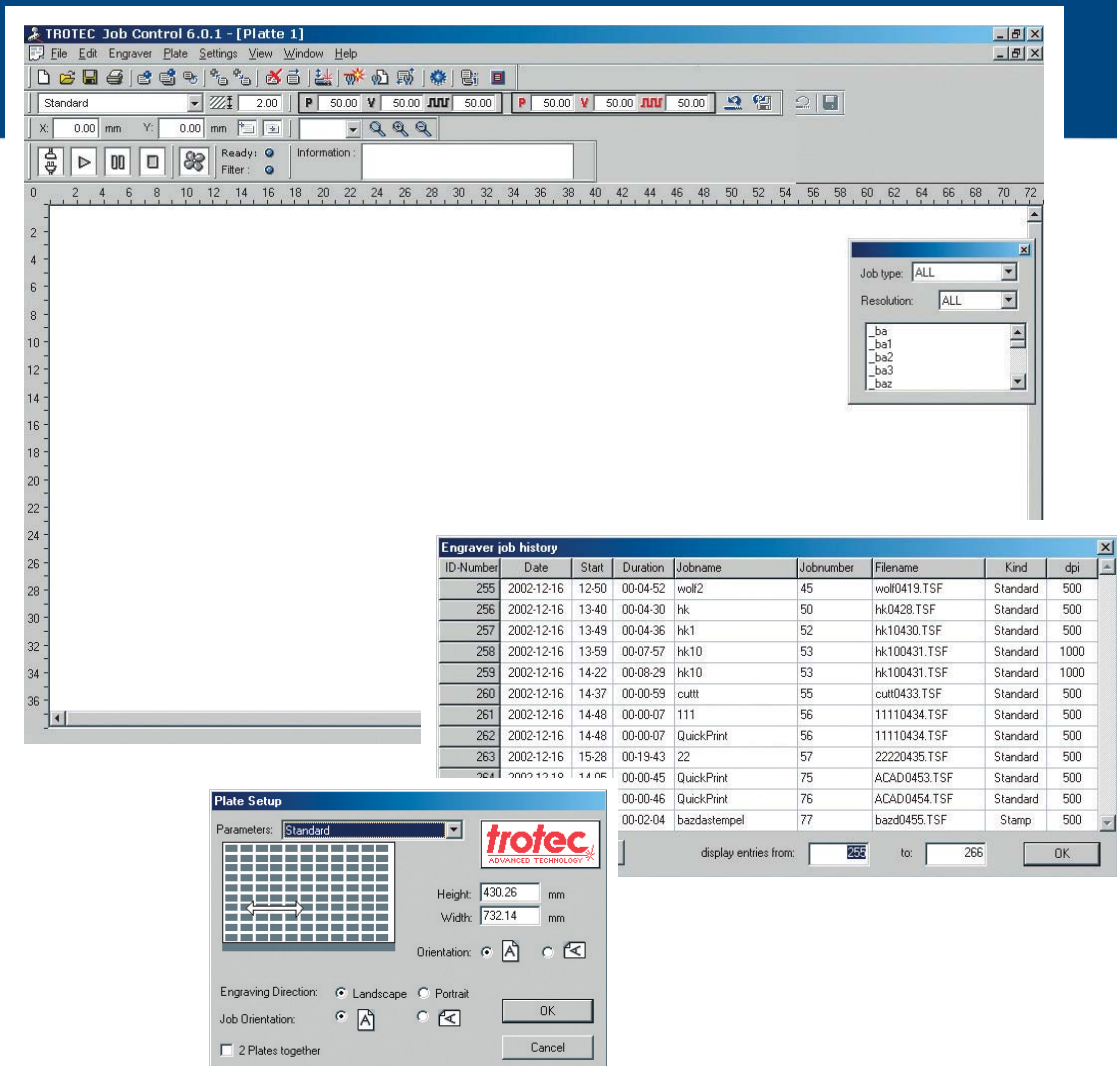
- **Lenses:** Different applications may require different lenses to achieve optimum results. Trotec offers lenses with focus lengths of 1.5, 3.2 or 4 inches. Ask your supplier to recommend the best solution for your application.



- **Extra dust protection:** Added protection is available for delicate parts such as electronic components and motors, and is designed specifically for work environments that are prone to dust and dirt.
- **Air assist:** Adding air pressure to the processing head as needed improves suction during operation, and further protects the lens. This feature is controlled via the **AD-Logic®** functionality on your PC.
- **E-Commerce link:** Enable direct communication between your customers and the Speedy FineMarker via the Internet. Customers can send text and images directly to the **AD-Logic®** Job Control software, so you can spend less time handling, setting up, and editing tasks.
- **Rotary attachment:** Engrave any cylindrical, beveled, or spherical object, such as goblets. Simply load and unload the product with the help of a spring-mounted tension device, which is easy to install and simple to use.
- **Laser power upgrade:** Need more power now, but not ready to buy new equipment? Upgrade the laser power of your current system. More power equals more productivity, and more profitability. Designed for easy self-installation, our laser upgrades allow you to take your system to the next level in no time.
- **Suction units and systems:** Ensure the efficient removal of dust and steam produced during laser operation, and protect the safe and reliable operation of your laser for years to come. Another critical bonus: you'll also be safeguarding the health of your employees, and the environment. Trotec offers a wide variety of suction units and suction systems—from simple ventilators to high-tech filter solutions. Ask your supplier to recommend the ideal suction system for your application.



Smart Software ... For Tough Jobs



Make your laser system work for you

Trotec's **AD-Logic**® software package offers an innovative, intuitive solution for managing engraving and marking tasks with your Speedy FineMarker system.

AD-Logic® is an easy-to-use software program that provides you with total, flexible control over all laser functions. The software technology features an open design, so you can use it with any application, including CorelDraw, Photoshop, Photopaint, Word, and Excel. And you can send your layouts directly to the laser via the **AD-Logic**® printer driver—without leaving your desk!

Key features include

- On-the-fly parameter adjustment—even during processing
- Materials database with predefined materials
- Software-AutoFocus for precise focusing with a mouse click.
- Marker for precise positioning for the most delicate marking tasks
- Job history to track and schedule customer orders
- Easy replication all marking and engraving orders
- Remote diagnostics / remote maintenance capabilities

... and much more.

A Global Presence ... With Local Support



● Distributor /
Service Locations



A history of success

Trotec lasers are used in over 90 countries worldwide. With thousands of installed systems, we offer a wealth of experience and expertise in laser engraving and industrial marking. Most importantly, we have earned the trust of our many international customers.

Our Trotec service partners in over 80 countries participate in training programs on a continuous basis—so we can always offer the highest level of professional maintenance services for your Trotec laser system, on-site.

In addition, our **AD-Logic**® software offers the unique opportunity to evaluate the status of your laser installation via remote maintenance and diagnostics, in real time. So we can always guarantee maximum reliability and availability for your business success—both now and in the future.

A commitment to your satisfaction

Our goal is to pursue constant, user-oriented innovation. We are committed to always providing you with the perfect product for all of your marking application needs.

That's why we are committed to really knowing and understanding both the market, and our customers. As such, we invest considerable time and effort in product development and material research at our state-of-the-art application labs.

With smart devices, a motivated team of experts, and renowned customer service, we can consistently provide you with top-quality, leading-edge laser solutions at a competitive price.

A Checklist For Your Laser Needs ... Now And In The Future

Ask yourself the following questions before making your next laser purchase.

- **Is the laser equipped with a closed safety system?**

The Speedy FineMarker features Laser Protection Class 1 or 2, which is recommended to protect against dangerous Nd:YAG laser radiation. For you, this means that you don't have to spend more money on laser safety training and other constructional precautions.

- **Is the laser suitable for simple and universal applications?**

The Speedy FineMarker can handle small and simple applications—and its working surface of 735 x 436 mm / 29 x 17" (working height of 200 mm / 7.8") is also suitable for processing large, complex parts. For you, this means total flexibility, whether you're working on a single item or a complete product series.

- **Is the laser system efficient, and compatible with your quality standards?**

The Speedy FineMarker meets the highest standards of ISO 9001, CE, and TÜV quality and offers unmatched speed and productivity. The system's unique capabilities are most apparent when it comes to more ambitious tasks, such as operating larger jobs or engraving small characters and fine details. For you, this translates into a reliable long-term investment.

- **How experienced is the laser supplier?**

Trotec offers proven, hands-on experience from thousands of installations. Laser systems and installations prove their true quality during intense operation. Trotec's systems stand up to the most extracting empirical tests. For you, this means peace of mind—especially with our extensive warranties and customer care options. (1 year warranty on laser system and 5000 operating hours for diode module)

- **Are you covered if anything goes wrong?**

Trotec offers immediate response service for any concern. For you, this means fast support, guaranteed – whether it's through our remote maintenance capabilities or delivered directly from our network of 80 service bases around the world.

www.troteclaser.com

Linzer Str. 156
A-4600 Wels
Tel. +43 / 72 42 / 239-0
Fax +43 / 72 42 / 239-7380
trotec@at.trotec.net
www.troteclaser.com

trotec[®]
laser engraving technology