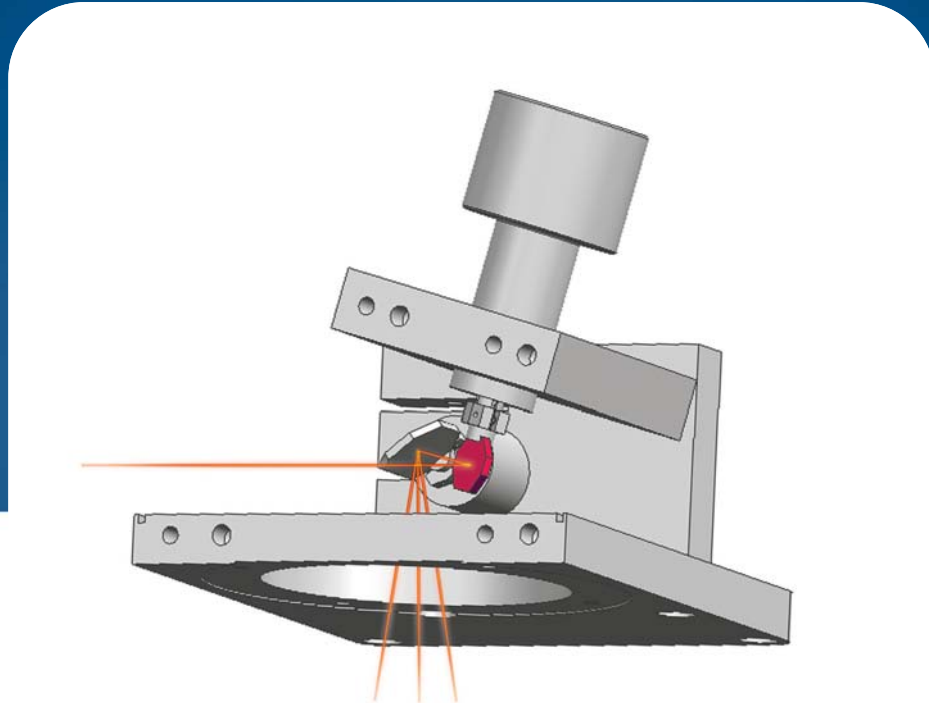


# Laser Systems **V**max

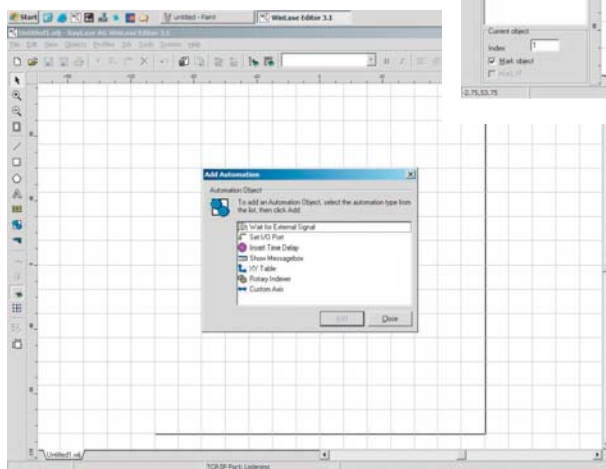
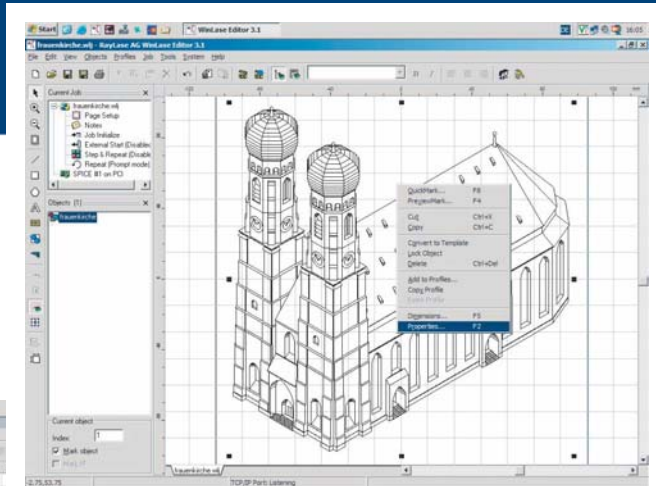


**High-speed laser**  
for marking, engraving  
and cutting  
CO<sub>2</sub> Galvo systems

*Worldwide Leading in Laser Engraving Technology*

**trotec**<sup>®</sup>  
laser engraving technology

# Integration or Stand-Alone?



## Marking and cutting on the fly!

Processing both fixed and moving parts—long-lasting laser marking is resistant to external influences.



## Your economical solution provided by Trotec:

- No consumables (inks etc.), no mechanical wear of the tool thanks to non-contact processing
- No mechanical and only small thermal load of the workpieces
- Long-lasting and abrasion-resistant marking meeting the highest demands in terms of precision. All imaginable designs possible by using current CAD or PC graphics programs
- Intelligent stand-alone or integration solutions. "Marking on the fly" with up to 400 m/minute, working surfaces of up to 850 x 850 mm
- Available worldwide
- WinLase software for simple SPS/data integration, independent creation of graphics, numerous import functions (bmp, dxf, jpg, plt, tif,...)

# Mark and secure



The V<sub>max</sub> is used in areas that require high outputs and/or long-lasting, abrasion-resistant and top-quality markings in industries where safety-relevant parts must be marked for traceability reasons (e.g., quality management or product liability). This covers, among others, the packaging, printing, textile, automotive, aviation, medical technology and advertising industries ... and many more

## Materials that can be processed using the V<sub>max</sub>

- acrylic
  - coated metals
  - anodized aluminium
  - veneer
  - fabrics
  - glass
  - rubber
  - wood
  - cork
  - plastics
  - leather
  - MDF fibreboards
  - melamine
  - nylon
  - paper
  - cardboards
  - polyester
  - foamed materials
  - silicone
  - chipboards
  - stone
  - synthetics
  - composites
  - vinyl
- ... and many more.

Upon request, our application lab can carry out marking tests for your individual application.

# Technology:

• <b>Required space for the integration:</b>	870 x 210 x 180 mm
• <b>Working surface:</b>	70 x 70 mm – 850 x 850 mm
• <b>Lenses:</b>	Focus length of 100 – 1200 mm
• <b>Smallest beam diameters:</b>	170 µm (100 mm lens) up to 1400 µm (1200 mm lens)
• <b>Processing speed:</b>	> 1,000 characters/second (at 1 mm font size)
• <b>Accuracy:</b>	Repeat accuracy < 22 µrad
• <b>Safety:</b>	<ul style="list-style-type: none"><li>• Laser safety class 4</li><li>• CE-tested</li></ul>
• <b>Laser equipment:</b>	Sealed-off CO <sub>2</sub> laser, maintenance-free
• <b>Laser performance:</b>	From 12 – 100 Watt Higher laser performance on request.



[www.troteclaser.com](http://www.troteclaser.com)

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**trotec**<sup>®</sup>  
laser engraving technology