

**topex**<sup>®</sup>

**LIFETIME  
PRODUCT  
LABELING AND  
TRACEABILITY.**

# laser technology.

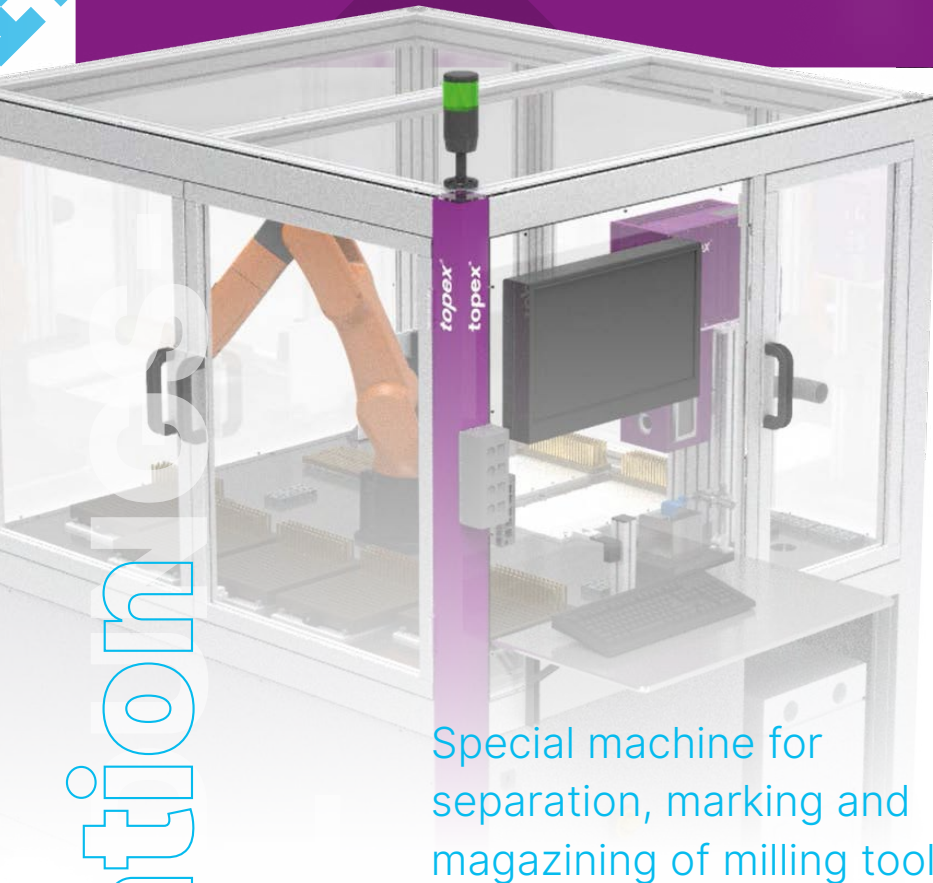
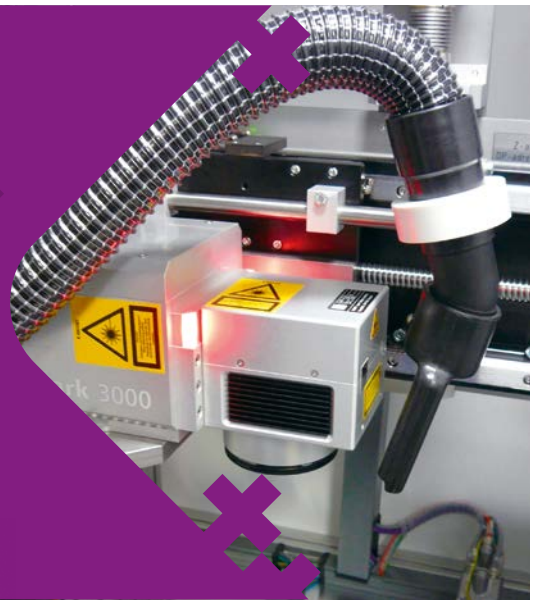
With high tech to  
the perfect result



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# Special machines

Labelling and cutting systems according to customer requirements



Special machine for separation, marking and magazing of milling tools

- + The tools are removed from a magazine by a 6-axis robot.
- + Automatically measured and cleaned before the robot takes them to the laser marking area.
- + In this area, the parts are marked directly with a fibre laser.
- + The rotary axis on the robot allows marking around the entire circumference of the tool shank.
- + The finished tools are then deposited in a corresponding magazine.



Unstacking magazine



Station for measuring the shank diameter



marking position in the protective laser hood

# Laser foil marking

## topex 5600 Mobile laser cell in compact form

Laser-marked foils and labels meet the highest requirements for resistance, e.g. to mechanical influences, liquid media such as solvents, salt spray, etc. or temperature influences. This enables a wide range of applications in the automotive or industrial sector.



topex 5600 basic laser marking unit



Foil is lasered



Lasered foil

## Advantages

### Standard

- + CO<sub>2</sub> laser for marking and format cutting with subsequent separation in one step
- + Software module for optimised cutting of rating plate sets
- + Internal unwinding for large rolls up to 300 mm in diameter
- + Highest precision due to vacuum foil fixation
- + Marking up to the zero edge possible

### Options

- + Solid-state laser for colour change foils
- + Integration of other marking lasers
- + Mechanical cutter
- + External winding
- + Software module for segmenting large labels (> 120 mm)
- + Software module for cut optimisation
- + External extraction system for particle dust

## Areas of application

### Laser marking of

- + Labels
- + Rating plates
- + RFID-Label
- + Cable
- + Plastic cable lugs (using an Nd-YAG laser)
- + Clamping nuts
- + Housing marking



# Laser workstation

## Stand-alone stations or integrable in an existing production line

Our ECO workstations impress by virtue of the outstanding value for money they represent. For applications involving a low level of automation, they are a genuine alternative to the other 5000-series workstations. Their exceptional versatility can be seen in offering a choice of diode pumped ND-YAG lasers or CO<sub>2</sub> marking lasers. They can easily be expanded with our supplementary modules.

### Optionen

- + Tepping-motor driven parts handling system for all-round marking
- + T-groove drawer
- + Rotary indexing table
- + Manually operated Z-axis
- + Manually operated safety door



### Modules

#### LM 5500 laser foil module



Our high performance solution for flexible label handling meets the toughest demands for reliability, service life and safety. Ideal for heavy duty industrial use in multi-shift operation.

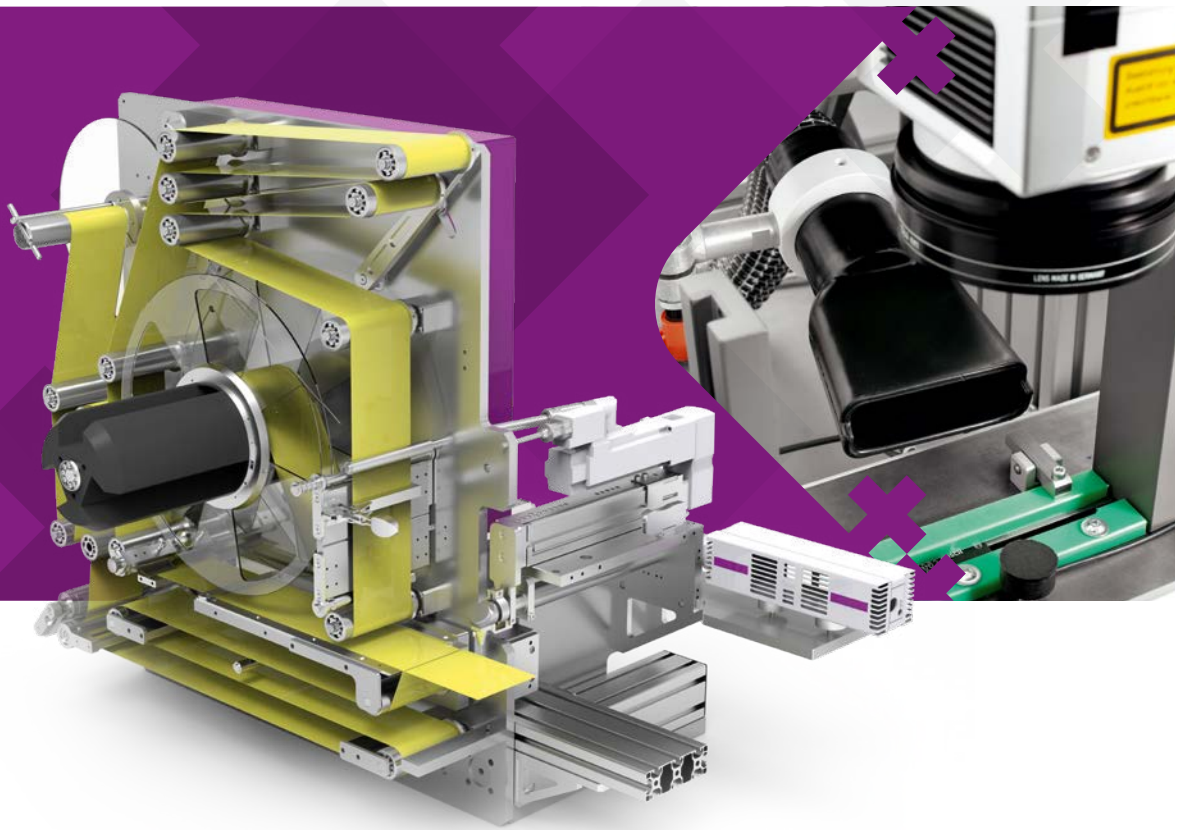
- + Marking and formatting of endless laser foil of pre-cut laser labels
- + Electrical cutter for the production of individual labels and sets of tags
- + Vacuum chamber below the marking surface ensures flat positioning of the label material
- + Material retraction to zero edge
- + Software module for segmenting large labels (> 120 mm)
- + Software module for cut optimisation
- + Roll diameter up to 300 mm

#### TM 5200 rating plate module



For marking anodised or stainless steel rating plates.

- + For automatic separation of blank tags into the marking area
- + Processing based on the FiFo principle
- + Quick-change magazines for different formats
- + Magazine heights up to 200 mm
- + Magazine fill level control
- + Option: manual positioning table for special formats



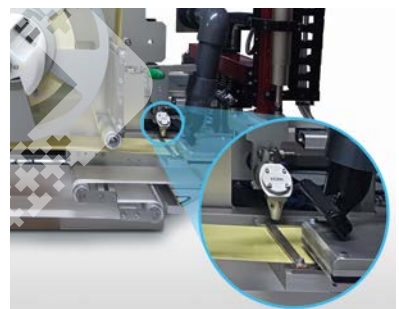
# Laser cutting

## Automated cutting of endless foils

Format-independent processing of self-adhesive or double-sided adhesive endless foils is perfectly straightforward with this technology. A CO<sub>2</sub> laser with an appropriate cutting head ensures maintenance-free cutting, even through thick layers of adhesive. With a two-axis portal, even contour cuts are possible.

### Advantages

- + CO<sub>2</sub> laser with cutting head for maintenance-free cutting
- + Stroke-independent motorised linear unit for integration of the cutting head
- + Laser power adjustable for a wide variety of different materials and material thicknesses
- + Cutting of double-sided adhesive endless foils possible
- + Optional: contour cut with 2-axis cutting portal



Your system supplier for complex  
labelling solutions

## automated labelling

Our product and service portfolio is geared towards customers who are looking for more than just standard solutions. With the aid of cutting-edge technology, we place our skills at your disposal. We offer sophisticated, well thought out system solutions for almost all industrial application areas.

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