

topex®

A LIFETIME
OF PRODUCT
LABELLING AND
TRACEABILITY

laser technology.

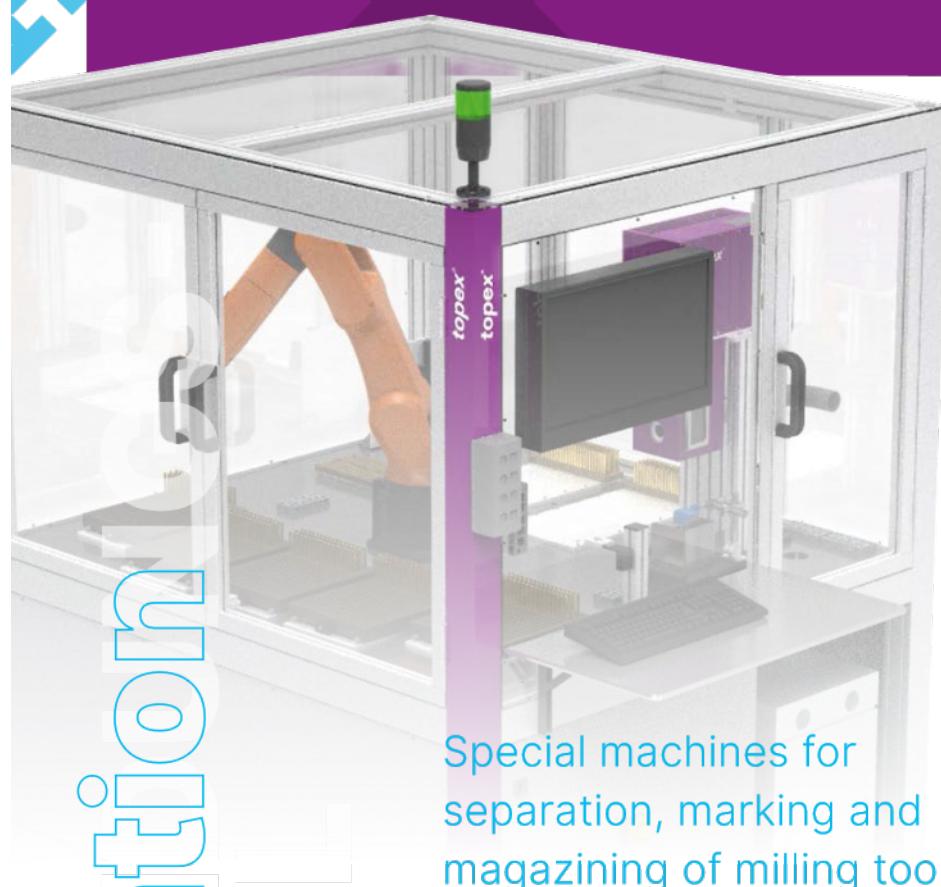
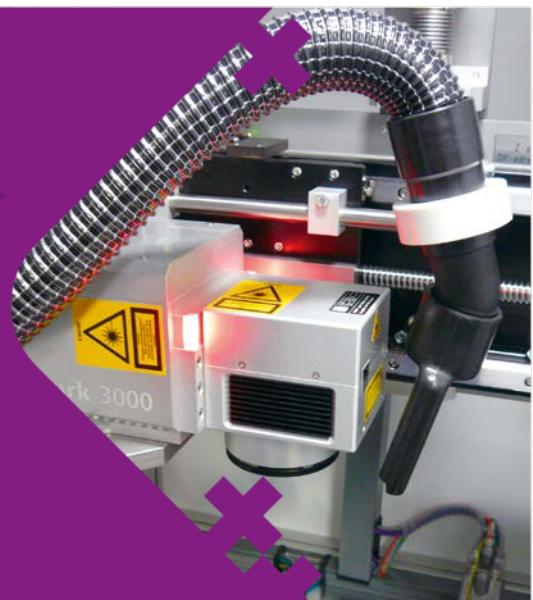
High tech to the
perfect result



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Special machines

Labelling and cutting systems
built according to the
customer's specifications



Special machines for
separation, marking and
magazining of milling tools

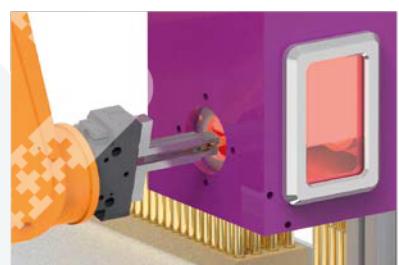
- The tools are removed from a magazine by a 6-axis robot.
- Automatically measured and cleaned before the robot takes them to the laser marking area.
- In this area, the parts are directly marked with a fibre laser.
- The rotary axis on the robot allows marking around the entire circumference of the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



Unstackable magazine



Station for measuring the shank diameter



Marking position in the protective laser hood

Laser foil marking

topex 5640 Mobile laser cell in compact form

Our 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 5640 basic laser marking unit



Foil is lasered



Lasered foil

Advantages

Standard

- CO₂ laser for marking and format cutting with subsequent separation all in one step
- Software module for optimised cutting of sets of nameplates
- Internal unwinding for large rolls up to 300 mm in diameter
- Highest precision possible due to low pressure vacuum foil stabilisation
- 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
- Name plates
- RFID-Label
- Cables
- Plastic cable lugs (using an Nd-YAG laser)
- Clamping nuts
- Housing/Enclosure

Laser workstation

Stand-alone stations or integrable in an existing production line

Our ECO workstations impress by virtue of the outstanding value to quality performance ratio. For applications involving a lower level of automation, they are an attested alternative to the other 5000-series workstations. Their exceptional versatility can be seen in offering a choice of diode pumped ND-YAG lasers or CO₂ marking lasers. They can easily be expanded with our supplementary modules.

Optional

- Stepping-motor driven parts handling system for all-around marking
- T-groove drawer
- Rotary indexing table
- Manually operated Z-axis
- Motor driven safety door

Modules

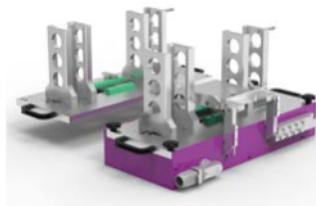
LM 5500 laser foil module



Our high performance solution for flexible label handling meets the toughest demands for reliability, In-Service lifetime 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 name plate module



For marking anodised or stainless steel name 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
- Optional: manual positioning table for special formats





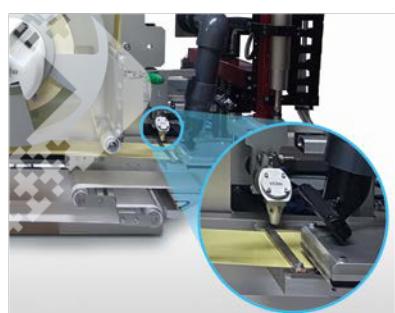
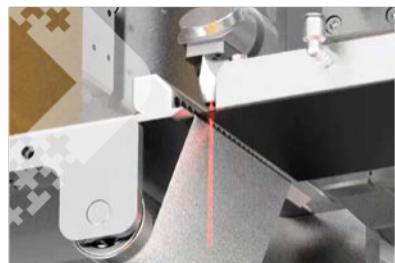
Laser cutting

Automated cutting of endless foils

Format-independent processing of self adhesive or double-sided adhesive (endless) foils is completely straightforward with this technology. A CO₂ 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

- + CO₂ laser with cutting head for maintenance-free cutting
- + Stroke-independent motorised linear unit for integration of the cutting head
- + Adjustable laser power 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 cutting-edge technology and engineers, 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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