

## TURNTABLE MACHINES – cleanCELL-SERIES



Turntable machine cleanCELL 2220

### APPLICATION EXAMPLES

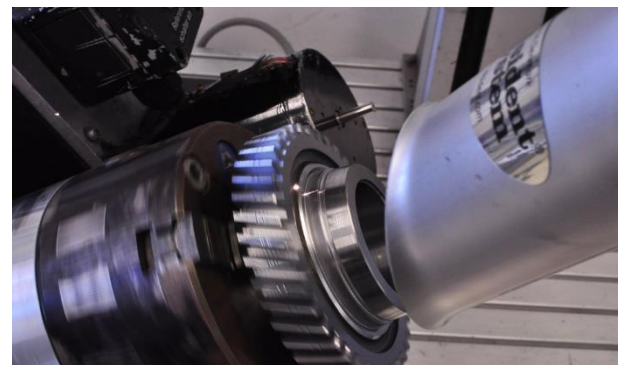
- Coating and painting pre-treatment
- Welding and bonding pre-treatment
- Partial paint stripping/decoating of functional surfaces
- Degreasing/oil removal

Due to their modular design, the turntable machines of the cleanCELL series are available in three different sizes and are suitable for the laser treatment of both small and large rotationally symmetrical workpieces. The systems can be operated in a stand-alone version as well as in an interlinked operation.

Loading and unloading of the systems is carried out during main production time via a rotary indexing table, thus minimizing non-productive times.



Left: laser treated / right: untreated



Laser treatment of a gear wheel

### TYPICAL PROCESSING SPEED FOR STEEL

Laser Class	Lightly contaminated	Strongly contaminated	Phosphated
Mid Power Laser	ca. 11–15 cm <sup>2</sup> /s	ca. 4–8 cm <sup>2</sup> /s	ca. 4–8 cm <sup>2</sup> /s
Low Power Laser	ca. 3–7 cm <sup>2</sup> /s	< 1 cm <sup>2</sup> /s	ca. 2–4 cm <sup>2</sup> /s

## TURNTABLE MACHINES – cleanCELL-SERIES

- machine type:  
**cleanCELL 1170**  
**cleanCELL 2220**  
**cleanCELL 3220**
- Footprint (W x L):  
from 835 mm x 1.700 mm  
up to 2.035 mm x 2.200 mm without  
further extensions
- Weight: 900–1.450 kg without laser
- 2-station rotary table with pneumatic  
or electric media feed-through for  
clamping technology
- Safe loading by 2-hand button with  
access protection or safety light  
barriers (optional)
- Diameter of rotary table up to approx.  
1,400 mm for large components  
> 450 mm component height
- Inspection of correct loading  
(optional)
- Automatic diameter check (optional)
- Camera control for process  
visualization/documentation
- ESD-compliant design (optional)
- High technical availability (> 98,5 %)
- Designed for 24/7 operation
- Customer-specific adaptations  
possible



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### YOUR BENEFITS

- **Dry cleaning without chemicals**
- **Very low energy consumption**
- **Direct in-line interlinking**
- **Compact footprint**
- **Residue-free cleaning without component damage**
- **Precise, locally adjustable cleaning and decoating**
- **Loading during main production time with short switching times (typ. approx. 2 s)**
- **Process-oriented suction technology**

2021 Subject to technical changes

**PLEASE CONTACT US - WE WILL BE HAPPY TO ADVISE YOU!**

 **cleanLASER**  
cleaning with light