



### TRUMPF TLC 1005 Lasercell, 2400 Watt

Manufacturer: **TRUMPF**  
 Type: **TLC 1005 Lasercell**  
 Year: **2000**  
 Working area: **X-4000 mm, Y-1500mm, Z-750 mm**  
 Laser rated output: **2400 Watt**  
 Control: **Siemens Sinumerik 840 D**  
 Working hour: **65.520h / 17.055 h**  
 Max. Sheet thick./St: **15 mm**  
 Max. Sheet thick./VA: **5 mm**  
 Max. Sheet thick./Al: **4 mm**  
 Max. Speed: **50 m/min**  
 Positioning accuracy: **0,1 mm**

TLF-Laser		Letzte Wartung	Intervall	Betriebsstunden	
Strahl Ein		18.08.2000		h	17055 h
Laser Ein		18.08.2000		h	65520 h
Battenechsel		15.03.2018		h	h
Ölstand		14.03.2018	170 h	h	10129 h
Ölwechsel Gasumwälzung		14.03.2018	3000 h	h	10129 h
Ölwechsel Vakuumpumpe		14.03.2018	1000 h	h	10129 h
Wasserstand		14.03.2018	100 h	h	10129 h
Leitfähigkeit		14.03.2018	500 h	h	10129 h
Geräteauswahl					



## CNC controlled beam guideway machine

Consisting of the following main components:

### Machine

- Closed machine frame with integrated laser unit
- Laser unit: CO<sub>2</sub> - Laser **TLF 3000** turbo radio-frequency excited, mirror telescope, compact form, chiller
- Laser unit with logbook function, power cycles, laser power control
- Drives: Digital and maintenance-free 3-phase servo motors
- HI-Las High pressure cutting
- High pressure cutting optic with 5" lens, DIAS III
- Programmable cutting gas pressure setting
- Automatic focus adjustment AutoLas
- Preparation for machining process laser cutting
- Extraction unit with filter and spark pre-separator
- Safety cabin, with front automatic slide door
- Interior lighting of the cabinets
- Working area lighting
- Connected value: 400V/50 Hz, IEC standard
- Teach panel
- Teach probe for cutting head
- Siemens SINUMERIK 840D control: Open PC-based control system, easy to use, Online help, diagnostic functions, maintenance logbook, technology data, Teleservice, 3.5" disk drive, 5 axis transformation, BNC-/RJ45 network card
- Network connection
- Safety: Completely encapsulated and purged beam guidance

### Function

- Laser cutting

Replaced machine control board in 2019

