

## **TRUMPF Trulaser 5030 (L41) + Liftmaster Compact + Trustore**

### **TECHNICAL DESCRIPTION**

#### **Standard Equipment**

##### **Machine**

- Working area: **3000 × 1500 mm**
- Fully enclosed machine frame
- Integrated cabinet
- Automatic pallet changer in longitudinal direction
- Torque drive combined with linear direct drives
- Enclosed beam guidance via fiber optic cable (FOC)
- Machine cooling unit (water–air)
- Integrated electrical cabinets with interior lighting
- TruDisk power supply via the machine
- Longitudinal conveyor belt
- Work area lighting
- Positioning laser diode
- Spray device
- PierceLine
- FocusLine
- NitroLine
- PlasmaLine
- Automatic nozzle cleaning
- Transport and installation device

## **TRUMPF Laser**

- Fiber optic cable according to standard layout (laser installed directly next to the machine)
- Laser cooling unit (water–air)
- Pump diode excitation
- Laser power control
- Laser logbook function

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## **Cutting Unit**

- Universal cutting unit with fully adaptive lens system
- Single cutting head strategy
- Protective glass against lens contamination
- Protective glass condition monitoring
- ControlLine: height control and sheet edge detection

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## **Control System**

- Easy shop-floor programming
- Advanced shop-floor programming
- Fast reproduction
- Sinumerik 840D SL control
- 17" color touch screen
- Integrated technology data
- Automatic shutdown

- Programmable cutting gas and pressure selection
- FastLine
- FlyLine
- Internet teleservice
- Integrated e-shop

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## **Data Transfer**

- USB interface
- RJ-45 network connection

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## **Safety**

- CE marking
- Light barriers
- Multi-chamber extraction system
- Integrated compact dust extractor
- Fire detection system in compact dust extractor
- Machine enclosure with certified viewing window, right-hand door
- Electric roll-up roof

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## **Configuration**

- Voltage: 400 V
- Frequency: 50 Hz

- Electrical standard: IEC
- Color: standard white / blue

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## **Laser Source**

- Solid-state laser TruDisk 5001
- 1 fiber output

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## **Additional Equipment**

- Automatic nozzle changer
- Wide cross conveyor with tipping container  
(container positioned on the left side of the machine)
- Cleaning brush
- Machine status light (incl. MDE interface)
- Viewing window in left-hand door for improved visibility
- Right-hand machine configuration
  - optional LoadMaster on the right

## **LiftMaster Compact**

Base unit with:

- Synchronised loader
- Peeling device
- Sheet thickness measuring system
- Movable unloading rake
- Including loading and unloading station

Scratch-free, precise unloading

- Fork spacing: **67 mm**
- Maximum sheet thickness: **15 mm**
- Cleaning brush for support slats
- Separation of thin sheet metal for synchro loader  
(sheet thickness **0.8 – 2.0 mm**)

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### TruStore 3030 – consisting of

- Base module **3000 x 1500 mm**
- Integration of LiftMaster Compact
- Storage extension for LiftMaster Compact
- **2 x extension module 1.9**
- Storage and retrieval machine
- Extension for storage and retrieval machine
- **34 storage shelves**, 90 mm incl. pallet
- **10 pallet floors**
- Goods infeed/outfeed trolley as scissor lift table
- Safety equipment for storage connection incl. second light curtain circuit
- Storage interface

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### Software

- TruTops FMEC incl. installation
- Documentation TruLaser 5030 (L41)

- Machine connection to storage system (Cell Server)
- Engineering, system project planning and layout creation
- TruTops post-processor