

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 × 1500 mm**
 - Integration of LiftMaster Compact
 - Storage extension for LiftMaster Compact
 - **2 × 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