Trumpf TruLaser Robot 5020

Sheet metal working · Welding system



Article number	**89-001768**
Condition	**Used machine**
Year of manuf.	**2010**

TruDisk 3302 laser system:

- TRUMPF TruDisk 3302 with a beam quality of 8 mm mrad
- Output power of 3.3 kW at the workpiece
- Laser system with 1 cavity
- Beam delivery system comprising an optical assembly for a single optical path, a fast switch (50 ms switching time) and a pilot laser including electrical control
- Integrated power supply and real-time capable control system for the evaluation and visualisation of operational data
- Fast laser power control
- TruControl 1000 control system
- Storage capacity for 199 laser programmes
- Safety monitoring in accordance with laser safety class 1, including a central safety lock
- Protection class IP54
- 10.4" panel computer with TFT touchscreen

Extension of the beam path:

Plus 1 additional laser light cable output, including interface card
consisting of:
Optical assembly on base plate with fast switch
Beam safety switch after coupling, if the output is not connected to an LLK

KUKA Roboter KR 30 HA (High Accuracy) inkl. KRC2:

- Six-axis industrial robot mechanics with articulated kinematics
- Three-phase servo drives for 6 degrees of freedom – maintenance-free and protected against overload
- Absolute position measurement
- The K-IRL programming language enables, amongst other things, a flexible programme structure, freely selectable programme/variable names, etc.

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Subject to prior sale and technical errors.

- Telediagnostics module

DKP 400.1 Rotate-Tilt Positioner:

- Rotation and tilting of workpiece clamping devices in relation
to the robot’s position
- Fully interpolated integration of the rotation and tilt axes
as the 7th and 8th NC axes

3D clamping plate 800 x 100:

- Demmeler System
Clamping of fixtures via 3D worktable, hole pitch 16
mm / grid 50x50 mm 2, SW 800x100

Two-station rotary table:

- Manual two-station rotary table, each side of which can accommodate one component clamping fixture
- Light-tight integration into the safety enclosure
- The fixtures are connected via two support rails each

Laser Welding Technology Package:

- Manual two-station rotary table designed to accommodate one component clamping fixture on each machining side
- The fixtures are connected via two support rails each
with a 16 mm diameter and 100 mm hole pattern

Standard cabin:

- Dimensions (L/W/H) 4800 mm x 7000 mm x 3200 mm
- Automatic sliding door at the front 2000 mm x 2300 mm
- 1 laser safety screen
- Cab lighting

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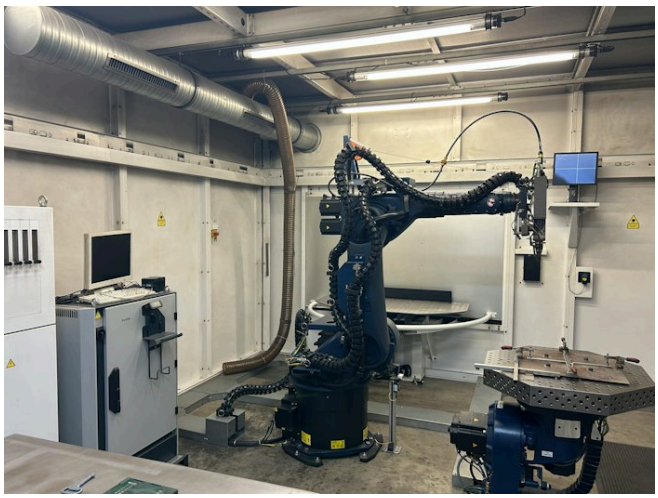
Product images













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