



TruLaser Weld 5000

Technical data

TruLaser Weld 5000

AXIS DATA

TYPE	High accuracy robot
NUMBER OF AXES	6
NOMINAL CARRYING CAPACITY	70 kg
REPEATABILITY	+/- 0.05 mm

LASER-SPECIFIC DATA

AVAILABLE LASERS	TruDisk 4001 / 6001 / 8001 TruFiber 3001 / 4001 / 6001
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ROTATE AND TILT POSITIONER

MAXIMUM WORK AREA	2000 mm x 1000 mm x 1200 mm
MAXIMUM LOADING	500 kg

DUAL STATION TABLE

MAX. WORK AREA (∅)	2350 mm
MAX. WORK AREA (HEIGHT)	1150 mm
MAXIMUM LOADING (PER SIDE)	250 kg

ROTARY TABLE WITH TURNING AXIS

MAX. WORK AREA (∅ ROTATING DRUM)	1200 mm
MAX. WORK AREA (LENGTH)	2600 mm
MAXIMUM LOADING (PER SIDE)	750 kg

TURNOVER POSITIONER

MAX. WORK AREA (∅ ROTATING DRUM)	2000 mm
MAX. WORK AREA (LENGTH)	4000 mm
MAXIMUM LOADING (PER SIDE)	1000 kg

COMPACT ROTARY TABLE WITH 3D CLAMPING PLATE (RECTANGLE)

MAX. WORK AREA (∅)	3000 mm
MAX. WORK AREA (HEIGHT)	1250 mm
MAXIMUM LOADING (PER SIDE)	600 kg
MAXIMUM LOAD MASS MOMENT OF INERTIA	600 kg*m ²
ROTATION AREA OF ROTARY TABLE	± 180 °
ROTATION TIME OF ROTARY TABLE (FOR 180°)	3.7 s
INSERTION HEIGHT	830 mm

COMPACT ROTARY TABLE WITH VERTICAL ROTARY AXES

MAX. WORK AREA (∅)	3000 mm
MAX. WORK AREA (HEIGHT)	1250 mm
MAXIMUM LOADING (PER SIDE)	600 kg
MAX. LOAD MASS MOMENT OF INERTIA FOR RING-SHAPED ROTARY INDEXING TABLE	600 kg*m ²
ROTATION AREA OF ROTARY TABLE	± 180 °
ROTATION TIME OF ROTARY TABLE (FOR 180°)	3.7 s
ROTATION AREA OF VERTICAL ROTARY AXES	± 190 °
ROTATION TIME OF ROTARY AXES (FOR 180°)	2.5 s

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MAX. LOAD MASS MOMENT OF INERTIA FOR VERTICAL
ROTARY AXES

359 kg*m²

INSERTION HEIGHT

885 mm

DIMENSIONS, WEIGHTS

POSSIBLE CABIN DIMENSIONS

4800 mm x 3650 mm x 3215 mm
4800 mm x 4800 mm x 3215 mm
4800 mm x 5950 mm x 3215 mm
5950 mm x 4800 mm x 3215 mm
5950 mm x 5950 mm x 3215 mm
7100 mm x 4800 mm x 3215 mm
7100 mm x 5950 mm x 3215 mm
8250 mm x 4800 mm x 3215 mm
8250 mm x 5950 mm x 3215 mm
9400 mm x 4800 mm x 3215 mm
9400 mm x 5950 mm x 3215 mm