



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
------------------	--

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

ROTARY TABLE WITH TURNING AXIS

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

TURNOVER POSITIONER

MAX. WORK AREA (ø 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 (ø)	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 (ø)	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

TruLaser Weld 5000

MAX. LOAD MASS MOMENT OF INERTIA FOR VERTICAL ROTARY AXES	359 kg*m ²
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