



TruLaser 5030 fiber / 5040 fiber / 5060 fiber

Technical data

	TruLaser 5030 fiber	TruLaser 5040 fiber	TruLaser 5060 fiber
DIMENSIONS			
LENGTH	9229 mm	11200 mm	15500 mm
WIDTH	6145 mm	6373 mm	6373 mm
HEIGHT	2200 mm	2200 mm	2200 mm
WEIGHT			
WEIGHT OF BASIC MACHINE	11700 kg ¹	14300 kg ¹	18500 kg ¹
MAXIMUM SPEED			
SIMULTANEOUS	280 m/min	280 m/min	280 m/min
WORKING RANGE			
X AXIS	3000 mm	4000 mm	6000 mm
Y AXIS	1500 mm	2000 mm	2000 mm
MAXIMUM WORKPIECE WEIGHT WITHOUT HEAVY-DUTY PALLET CHANGER	1100 kg	2000 kg	2900 kg
MAXIMUM WORKPIECE WEIGHT WITH HEAVY-DUTY PALLET CHANGER	1800 kg	3300 kg	4900 kg
MAXIMUM WORKPIECE WEIGHT ON BOTH PALLETS WITH HEAVY-DUTY PALLET CHANGER	2200 kg ²	3500 kg ²	5700 kg ²
LASER-SPECIFIC DATA - TRUDISK 6001			
MAXIMUM LASER POWER	6000 W	6000 W	6000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	25 mm	25 mm	25 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	32 mm	32 mm	32 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	25 mm	25 mm	25 mm
MAXIMUM STAINLESS STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	35 mm	35 mm	35 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	25 mm	25 mm	25 mm
MAXIMUM SHEET THICKNESS, COPPER	10 mm	10 mm	10 mm
MAXIMUM SHEET THICKNESS, BRASS	10 mm	10 mm	10 mm
LASER-SPECIFIC DATA - TRUDISK 8001			
MAXIMUM LASER POWER	8000 W	8000 W	8000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	25 mm	25 mm	25 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	32 mm	32 mm	32 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	40 mm	40 mm	40 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	25 mm	25 mm	25 mm

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MAXIMUM SHEET THICKNESS, COPPER	16 mm	16 mm	16 mm
MAXIMUM SHEET THICKNESS, BRASS	10 mm	10 mm	10 mm
LASER-SPECIFIC DATA - TRUDISK 10001			
MAXIMUM LASER POWER	10000 W	10000 W	10000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	30 mm	30 mm	30 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	32 mm	32 mm	32 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	40 mm	40 mm	40 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	30 mm	30 mm	30 mm
MAXIMUM SHEET THICKNESS, COPPER	16 mm	16 mm	16 mm
MAXIMUM SHEET THICKNESS, BRASS	12.7 mm	12.7 mm	12.7 mm
LASER-SPECIFIC DATA - TRUDISK 12001			
MAXIMUM LASER POWER	12000 W	12000 W	12000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	30 mm	30 mm	30 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	50 mm	50 mm	50 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	40 mm	40 mm	40 mm
MAXIMUM STAINLESS STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	50 mm	50 mm	50 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	30 mm	30 mm	30 mm
MAXIMUM ALUMINUM SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	40 mm	40 mm	40 mm
MAXIMUM SHEET THICKNESS, COPPER	16 mm	16 mm	16 mm
MAXIMUM SHEET THICKNESS, BRASS	12.7 mm	12.7 mm	12.7 mm
LASER-SPECIFIC DATA - TRUDISK 24001			
MAXIMUM LASER POWER	24000 W	24000 W	24000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	40 mm	40 mm	40 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	60 mm	60 mm	60 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	40 mm	40 mm	40 mm
MAXIMUM STAINLESS STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	60 mm	60 mm	60 mm

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MAXIMUM SHEET THICKNESS, ALUMINUM	40 mm	40 mm	40 mm
MAXIMUM SHEET THICKNESS, COPPER	16 mm	16 mm	16 mm
MAXIMUM SHEET THICKNESS, BRASS	12.7 mm	12.7 mm	12.7 mm

CONSUMPTION VALUES

AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 6001	15 kW	15 kW	15 kW
AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 8001	17 kW	17 kW	17 kW
AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 10001	19 kW	19 kW	19 kW
AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 12001	25 kW	25 kW	25 kW
AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 24001	33 kW	33 kW	33 kW

Footnotes

- 1 — Entspricht dem Maschinengewicht mit Standardausstattung. Das Gewicht kann je nach Ausstattung variieren.
- 2 — The maximum workpiece weight on both pallets is identical. However, there are different distributions of the workpiece weight on the pallets. Without heavy duty pallet changer distribution max. 30 mm / 30 mm sheet thickness per pallet and format. With heavy duty pallet changer distribution max. 50 mm / 10 mm sheet thickness per pallet and format.