



# TruLaser 3030 fiber / 3040 fiber / 3060 fiber / 3080 fiber

Technical data



**TruLaser 3030 fiber****TruLaser 3040 fiber****TruLaser 3060 fiber****DIMENSIONS**

LENGTH	9229 mm	11200 mm	15450 mm
WIDTH	6145 mm	6373 mm	6878 mm
HEIGHT	2200 mm	2200 mm	2200 mm

**WEIGHT**

WEIGHT OF BASIC MACHINE	11700 kg <sup>1</sup>	14300 kg <sup>1</sup>	19800 kg <sup>1</sup>
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**MAXIMUM SPEED**

SIMULTANEOUS	170 m/min	170 m/min	170 m/min
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**WORKING RANGE**

X AXIS	3000 mm	4000 mm	6000 mm
Y AXIS	1500 mm	2000 mm	2500 mm
MAXIMUM WORKPIECE WEIGHT	-	-	-
MAXIMUM WORKPIECE WEIGHT WITHOUT HEAVY-DUTY PALLET CHANGER	1100 kg	1900 kg	2900 kg
MAXIMUM WORKPIECE WEIGHT WITH HEAVY-DUTY PALLET CHANGER	1800 kg	3300 kg	4900 kg
MAXIMUM WORKPIECE WEIGHT ON BOTH PALLETS WITHOUT HEAVY-DUTY PALLET CHANGER	2200 kg <sup>2</sup>	5700 kg <sup>2</sup>	5700 kg <sup>2</sup>
MAXIMUM WORKPIECE WEIGHT ON BOTH PALLETS WITH HEAVY-DUTY PALLET CHANGER	2200 kg <sup>2</sup>	5700 kg <sup>2</sup>	5700 kg <sup>2</sup>

**LASER-SPECIFIC DATA - TRUDISK 4001**

MAXIMUM LASER POWER	4000 W	4000 W	4000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	20 mm	20 mm	20 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	25 mm	25 mm	25 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	20 mm	20 mm	20 mm
MAXIMUM STAINLESS STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	35 mm	35 mm	35 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	20 mm	20 mm	20 mm
MAXIMUM SHEET THICKNESS, COPPER	8 mm	8 mm	8 mm
MAXIMUM SHEET THICKNESS, BRASS	8 mm	8 mm	8 mm

**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

**TruLaser 3030 fiber****TruLaser 3040 fiber****TruLaser 3060 fiber**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

30 mm

30 mm

30 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  
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 STAINLESS STEEL  
SHEET THICKNESS WITH CUTTING  
PACKAGE FOR THICK SHEETS

40 mm

40 mm

40 mm

MAXIMUM SHEET THICKNESS,  
ALUMINUM

30 mm

30 mm

30 mm

MAXIMUM SHEET THICKNESS,  
COPPER

15 mm

15 mm

15 mm

MAXIMUM SHEET THICKNESS,  
BRASS

12 mm

12 mm

12 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

35 mm

35 mm

35 mm

MAXIMUM SHEET THICKNESS,  
STAINLESS STEEL

40 mm

40 mm

40 mm

**TruLaser 3030 fiber****TruLaser 3040 fiber****TruLaser 3060 fiber**

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	30 mm	30 mm	30 mm
MAXIMUM SHEET THICKNESS, COPPER	12.7 mm	12.7 mm	12.7 mm
MAXIMUM SHEET THICKNESS, BRASS	12.7 mm	12.7 mm	12.7 mm

**CONSUMPTION VALUES**

AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 4001	13 kW	13 kW	13 kW
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

**TruLaser 3080 fiber****DIMENSIONS**

LENGTH	19620 mm
WIDTH	6968 mm
HEIGHT	2200 mm

**WEIGHT**

WEIGHT OF BASIC MACHINE	21850 kg <sup>1</sup>
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**MAXIMUM SPEED**

SIMULTANEOUS	170 m/min
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**WORKING RANGE**

X AXIS	8000 mm
Y AXIS	2500 mm
MAXIMUM WORKPIECE WEIGHT	-
MAXIMUM WORKPIECE WEIGHT WITHOUT HEAVY-DUTY PALLET CHANGER	4710 kg
MAXIMUM WORKPIECE WEIGHT WITH HEAVY-DUTY PALLET CHANGER	7850 kg
MAXIMUM WORKPIECE WEIGHT ON BOTH PALLETS WITHOUT HEAVY-DUTY PALLET CHANGER	9420 kg <sup>2</sup>
MAXIMUM WORKPIECE WEIGHT ON BOTH PALLETS WITH HEAVY-DUTY PALLET CHANGER	9420 kg <sup>2</sup>

**LASER-SPECIFIC DATA - TRUDISK 4001**

MAXIMUM LASER POWER	4000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	20 mm

## TruLaser 3080 fiber

MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	25 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	20 mm
MAXIMUM STAINLESS STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	35 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	20 mm
MAXIMUM SHEET THICKNESS, COPPER	8 mm
MAXIMUM SHEET THICKNESS, BRASS	8 mm

### LASER-SPECIFIC DATA - TRUDISK 6001

MAXIMUM LASER POWER	6000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	25 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	32 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	25 mm
MAXIMUM STAINLESS STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	35 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	25 mm
MAXIMUM SHEET THICKNESS, COPPER	10 mm
MAXIMUM SHEET THICKNESS, BRASS	10 mm

### LASER-SPECIFIC DATA - TRUDISK 8001

MAXIMUM LASER POWER	8000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	25 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	32 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	30 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	25 mm
MAXIMUM SHEET THICKNESS, COPPER	10 mm
MAXIMUM SHEET THICKNESS, BRASS	10 mm

### LASER-SPECIFIC DATA - TRUDISK 10001

MAXIMUM LASER POWER	10000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	30 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	32 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	40 mm
MAXIMUM STAINLESS STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	40 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	30 mm
MAXIMUM SHEET THICKNESS, COPPER	15 mm
MAXIMUM SHEET THICKNESS, BRASS	12 mm

### LASER-SPECIFIC DATA - TRUDISK 12001

MAXIMUM LASER POWER	12000 W
MAXIMUM SHEET THICKNESS, MILD STEEL	30 mm
MAXIMUM MILD STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	35 mm
MAXIMUM SHEET THICKNESS, STAINLESS STEEL	40 mm

## TruLaser 3080 fiber

MAXIMUM STAINLESS STEEL SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	50 mm
MAXIMUM SHEET THICKNESS, ALUMINUM	30 mm
MAXIMUM ALUMINUM SHEET THICKNESS WITH CUTTING PACKAGE FOR THICK SHEETS	30 mm
MAXIMUM SHEET THICKNESS, COPPER	12.7 mm
MAXIMUM SHEET THICKNESS, BRASS	12.7 mm

### CONSUMPTION VALUES

AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 4001	13 kW
AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 6001	15 kW
AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 8001	17 kW
AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 10001	19 kW
AVERAGE POWER INPUT IN PRODUCTION - TRUDISK 12001	25 kW

## Footnotes

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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.