



# TruDisk

Technical data

### Technical data

	<b>TruDisk 1000</b>	<b>TruDisk 2000</b>	<b>TruDisk 2002</b>
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	1000 W	2000 W	2000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	60 W - 1000 W with active power regulation	60 W - 2000 W with active power regulation	60 W - 2000 W with active power regulation
BEAM QUALITY	2 mm ▪ mrad	2 mm ▪ mrad	8 mm ▪ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	50 µm	50 µm	200 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	730 mm	730 mm	730 mm
HEIGHT	1375 mm	1375 mm	1375 mm
DEPTH	1120 mm	1120 mm	1120 mm
MAX. NUMBER OF LASER LIGHT CABLES	2	2	2
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	4	4	4
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

Subject to changes. The details in our offer and order confirmation are definitive.

### Technical data

	TruDisk 3001	TruDisk 3001 (new generation)	TruDisk 3002
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	3000 W	3000 W	3000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	80 W - 3000 W with active power regulation	80 W - 3000 W with active power regulation	80 W - 3000 W with active power regulation
BEAM QUALITY	4 mm ■ mrad	4 mm ■ mrad	8 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	100 µm	100 µm	200 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1600 mm	1175 mm	1600 mm
HEIGHT	1550 mm	1430 mm	1550 mm
DEPTH	950 mm	725 mm	950 mm
MAX. NUMBER OF LASER LIGHT CABLES	4	2	4
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	6	-	6
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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### Technical data

	<b>TruDisk 3002 (new generation)</b>	<b>TruDisk 3006</b>	<b>TruDisk 3006 (new generation)</b>
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	3000 W	3000 W	3000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	80 W - 3000 W with active power regulation	80 W - 3000 W with active power regulation	80 W - 3000 W with active power regulation
BEAM QUALITY	8 mm ■ mrad	25 mm ■ mrad	25 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	200 µm	600 µm	600 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1175 mm	1600 mm	1175 mm
HEIGHT	1430 mm	1550 mm	1430 mm
DEPTH	725 mm	950 mm	725 mm
MAX. NUMBER OF LASER LIGHT CABLES	2	4	2
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	-	6	-
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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### Technical data

	<b>TruDisk 4001</b>	<b>TruDisk 4001 (new generation)</b>	<b>TruDisk 4002</b>
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	4000 W	4000 W	4000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	80 W - 4000 W with active power regulation	80 W - 4000 W with active power regulation	80 W - 4000 W with active power regulation
BEAM QUALITY	4 mm ■ mrad	4 mm ■ mrad	8 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	100 µm	100 µm	200 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1600 mm	1175 mm	1600 mm
HEIGHT	1550 mm	1430 mm	1550 mm
DEPTH	950 mm	725 mm	950 mm
MAX. NUMBER OF LASER LIGHT CABLES	4	2	4
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	6	-	6
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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### Technical data

	<b>TruDisk 4002 (new generation)</b>	<b>TruDisk 4006</b>	<b>TruDisk 4006 (neue Generation)</b>
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	4000 W	4000 W	4000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	80 W - 4000 W with active power regulation	80 W - 4000 W with active power regulation	80 W - 4000 W with active power regulation
BEAM QUALITY	8 mm ■ mrad	25 mm ■ mrad	25 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	200 µm	600 µm	600 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1175 mm	1600 mm	1175 mm
HEIGHT	1430 mm	1550 mm	1430 mm
DEPTH	725 mm	950 mm	725 mm
MAX. NUMBER OF LASER LIGHT CABLES	2	4	2
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	-	6	-
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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### Technical data

	TruDisk 5001	TruDisk 5001 (new generation)	TruDisk 5002
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	5000 W	5000 W	5000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	120 W - 5000 W with active power regulation	120 W - 5000 W with active power regulation	120 W - 5000 W with active power regulation
BEAM QUALITY	4 mm ■ mrad	4 mm ■ mrad	8 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	100 µm	100 µm	200 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1600 mm	1175 mm	1600 mm
HEIGHT	1550 mm	1430 mm	1550 mm
DEPTH	950 mm	725 mm	950 mm
MAX. NUMBER OF LASER LIGHT CABLES	4	2	4
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	6	-	6
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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### Technical data

	<b>TruDisk 5002 (new generation)</b>	<b>TruDisk 5003</b>	<b>TruDisk 5006</b>
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	5000 W	5000 W	5000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	120 W - 5000 W with active power regulation	120 W - 5000 W with active power regulation	120 W - 5000 W with active power regulation
BEAM QUALITY	8 mm ■ mrad	12 mm ■ mrad	25 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	200 µm	300 µm	600 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1175 mm	1600 mm	1600 mm
HEIGHT	1430 mm	1550 mm	1550 mm
DEPTH	725 mm	950 mm	950 mm
MAX. NUMBER OF LASER LIGHT CABLES	2	4	4
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	-	6	6
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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### Technical data

	<b>TruDisk 5006 (new generation)</b>	<b>TruDisk 6001</b>	<b>TruDisk 6002</b>
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	5000 W	6000 W	6000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	120 W - 5000 W with active power regulation	120 W - 6000 W with active power regulation	120 W - 6000 W with active power regulation
BEAM QUALITY	25 mm ■ mrad	4 mm ■ mrad	8 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	600 µm	100 µm	200 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1175 mm	1600 mm	1600 mm
HEIGHT	1430 mm	1550 mm	1550 mm
DEPTH	725 mm	950 mm	950 mm
MAX. NUMBER OF LASER LIGHT CABLES	2	4	4
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	-	6	6
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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### Technical data

	<b>TruDisk 6003</b>	<b>TruDisk 6006</b>	<b>TruDisk 8001</b>
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	6000 W	6000 W	8000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	120 W - 6000 W with active power regulation	120 W - 6000 W with active power regulation	160 W - 8000 W with active power regulation
BEAM QUALITY	12 mm ■ mrad	25 mm ■ mrad	4 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.067 or 0,1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	300 µm	600 µm	150 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1600 mm	1600 mm	1990 mm
HEIGHT	1550 mm	1550 mm	1550 mm
DEPTH	950 mm	950 mm	1200 mm
MAX. NUMBER OF LASER LIGHT CABLES	4	4	4
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	6	6	6
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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# TruDisk

Disk lasers

Technical data

	<b>TruDisk 8002</b>	<b>TruDisk 10002</b>	<b>TruDisk 10003</b>
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	8000 W	10000 W	10000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	160 W - 8000 W with active power regulation	200 W - 10000 W with active power regulation	200 W - 10000 W with active power regulation
BEAM QUALITY	8 mm ■ mrad	8 mm ■ mrad	12 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	200 µm	200 µm	300 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1990 mm	1990 mm	1990 mm
HEIGHT	1550 mm	1550 mm	1550 mm
DEPTH	1200 mm	1200 mm	1200 mm
MAX. NUMBER OF LASER LIGHT CABLES	4	4	4
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	6	6	6
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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# TruDisk

Disk lasers

Technical data

	TruDisk 12002	TruDisk 12003	TruDisk 16002
<b>LASER PARAMETERS</b>			
LASER POWER AT THE WORKPIECE	12000 W	12000 W	16000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 % with active power regulation	± 1 % with active power regulation	-
CONTINUOUSLY ADJUSTABLE POWER RANGE	240 W - 12000 W with active power regulation	240 W - 12000 W with active power regulation	320 W - 16000 W
BEAM QUALITY	8 mm ■ mrad	12 mm ■ mrad	8 mm ■ mrad
NUMERICAL APERTURE	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	200 µm	300 µm	200 µm
<b>STRUCTURAL DESIGN</b>			
WIDTH	1990 mm	1990 mm	2800 mm
HEIGHT	1550 mm	1550 mm	1550 mm
DEPTH	1200 mm	1200 mm	1400 mm
MAX. NUMBER OF LASER LIGHT CABLES	4	4	6
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	6	6	
<b>INSTALLATION</b>			
PROTECTION TYPE	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

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### Technical data

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### TruDisk 16003

#### LASER PARAMETERS

LASER POWER AT THE WORKPIECE	16000 W
POWER CONSTANCY AT RATED LASER OUTPUT	± 1 %
CONTINUOUSLY ADJUSTABLE POWER RANGE	320 W - 16000 W
BEAM QUALITY	12 mm ■ mrad
NUMERICAL APERTURE	0.1
WAVELENGTH	1030 nm
MIN. LASER LIGHT CABLE DIAMETER	300 µm

#### STRUCTURAL DESIGN

WIDTH	2800 mm
HEIGHT	1550 mm
DEPTH	1400 mm
MAX. NUMBER OF LASER LIGHT CABLES	6
MAX. NUMBER OF LASER LIGHT CABLES WITH CABINET EXTENDED	

#### INSTALLATION

PROTECTION TYPE	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C