



TruDisk

Technical data

	TruDisk 1000	TruDisk 2000	TruDisk 3000
LASER PARAMETERS			
LASER POWER ON THE WORKPIECE	1000 W	2000 W	3000 W
TYPICAL POWER CONSTANCY AT RATED POWER	± 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	80 W - 3000 W with active power regulation
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	2 mm ■ mrad	2 mm ■ mrad	2 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MINIMUM LASER LIGHT CABLE DIAMETER	50 µm	50 µm	50 µm
TYP. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
MAX. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE			
STRUCTURAL DESIGN			
WIDTH	1175 mm	1175 mm	1175 mm
HEIGHT	1430 mm	1430 mm	1430 mm
DEPTH	725 mm	725 mm	725 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	2	2
MAXIMUM NUMBER OF LASER LIGHT CABLES FOR EXTENDED DEVICE SIZE	4	4	4
INSTALLATION			
PROTECTION CLASS	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

	TruDisk 3001	TruDisk 3001 P	TruDisk 3002
LASER PARAMETERS			
LASER POWER ON THE WORKPIECE	3000 W	3000 W	3000 W
TYPICAL POWER CONSTANCY AT RATED POWER	± 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
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	4 mm ■ mrad	4 mm ■ mrad	8 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm

	TruDisk 3001	TruDisk 3001 P	TruDisk 3002
MINIMUM LASER LIGHT CABLE DIAMETER	100 µm	100 µm	200 µm
TYP. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR		± 1 %	
MAX. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR		± 2 %	
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE			
STRUCTURAL DESIGN			
WIDTH	1175 mm	1175 mm	1175 mm
HEIGHT	1430 mm	1430 mm	1430 mm
DEPTH	725 mm	725 mm	725 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	1	2
MAXIMUM NUMBER OF LASER LIGHT CABLES FOR EXTENDED DEVICE SIZE	4	-	4
INSTALLATION			
PROTECTION CLASS	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 45 °C	10 °C - 50 °C

	TruDisk 3006	TruDisk 4000	TruDisk 4001
LASER PARAMETERS			
LASER POWER ON THE WORKPIECE	3000 W	4000 W	4000 W
TYPICAL POWER CONSTANCY AT RATED POWER	± 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 - 4000 W with active power regulation	80 W - 4000 W with active power regulation
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	25 mm ■ mrad	2 mm ■ mrad	4 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MINIMUM LASER LIGHT CABLE DIAMETER	600 µm	50 µm	100 µm
TYP. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
MAX. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE			

	TruDisk 3006	TruDisk 4000	TruDisk 4001
STRUCTURAL DESIGN			
WIDTH	1175 mm	1175 mm	1175 mm
HEIGHT	1430 mm	1430 mm	1430 mm
DEPTH	725 mm	725 mm	725 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	2	2
MAXIMUM NUMBER OF LASER LIGHT CABLES FOR EXTENDED DEVICE SIZE	4	4	4
INSTALLATION			
PROTECTION CLASS	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

	TruDisk 4001 P	TruDisk 4002	TruDisk 4006
LASER PARAMETERS			
LASER POWER ON THE WORKPIECE	4000 W	4000 W	4000 W
TYPICAL POWER CONSTANCY AT RATED POWER	-	± 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
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	4 mm ■ mrad	8 mm ■ mrad	25 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MINIMUM LASER LIGHT CABLE DIAMETER	100 µm	200 µm	600 µm
TYP. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR	± 1 %		
MAX. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR	± 2 %		
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE			
STRUCTURAL DESIGN			
WIDTH	1175 mm	1175 mm	1175 mm
HEIGHT	1430 mm	1430 mm	1430 mm
DEPTH	725 mm	725 mm	725 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	1	2	2
MAXIMUM NUMBER OF LASER LIGHT CABLES FOR EXTENDED DEVICE SIZE	-	4	4
INSTALLATION			

	TruDisk 4001 P	TruDisk 4002	TruDisk 4006
PROTECTION CLASS	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 45 °C	10 °C - 50 °C	10 °C - 50 °C

	TruDisk 5000	TruDisk 5001	TruDisk 5002
LASER PARAMETERS			
LASER POWER ON THE WORKPIECE	5000 W	5000 W	5000 W
TYPICAL POWER CONSTANCY AT RATED POWER	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	100 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 AT THE INPUT COUPLING IN THE LLK	2 mm ■ mrad	4 mm ■ mrad	8 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MINIMUM LASER LIGHT CABLE DIAMETER	50 µm	100 µm	200 µm
TYP. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
MAX. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE			

STRUCTURAL DESIGN			
WIDTH	1175 mm	1175 mm	1175 mm
HEIGHT	1430 mm	1430 mm	1430 mm
DEPTH	725 mm	725 mm	725 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	2	2
MAXIMUM NUMBER OF LASER LIGHT CABLES FOR EXTENDED DEVICE SIZE	4	4	4
INSTALLATION			
PROTECTION CLASS	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

	TruDisk 5006	TruDisk 6001	TruDisk 6001 P
LASER PARAMETERS			
LASER POWER ON THE WORKPIECE	5000 W	6000 W	6000 W
TYPICAL POWER CONSTANCY AT RATED POWER	± 1 % with active power regulation	± 1 % with active power regulation	-

	TruDisk 5006	TruDisk 6001	TruDisk 6001 P
CONTINUOUSLY ADJUSTABLE POWER RANGE	120 W - 5000 W with active power regulation	120 W - 6000 W with active power regulation	-
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	25 mm ■ mrad	4 mm ■ mrad	4 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MINIMUM LASER LIGHT CABLE DIAMETER	600 µm	100 µm	100 µm
TYP. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			± 1 %
MAX. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			± 2 %
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE			

STRUCTURAL DESIGN

WIDTH	1175 mm	1175 mm	1175 mm
HEIGHT	1430 mm	1430 mm	1430 mm
DEPTH	725 mm	725 mm	725 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	2	1
MAXIMUM NUMBER OF LASER LIGHT CABLES FOR EXTENDED DEVICE SIZE	4	4	-

INSTALLATION

PROTECTION CLASS	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 45 °C

	TruDisk 6002	TruDisk 6006	TruDisk 8001
LASER PARAMETERS			
LASER POWER ON THE WORKPIECE	6000 W	6000 W	8000 W
TYPICAL POWER CONSTANCY AT RATED POWER	± 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 with active power regulation
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	8 mm ■ mrad	25 mm ■ mrad	4 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MINIMUM LASER LIGHT CABLE DIAMETER	200 µm	600 µm	100 µm
TYP. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			

	TruDisk 6002	TruDisk 6006	TruDisk 8001
MAX. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE			
STRUCTURAL DESIGN			
WIDTH	1175 mm	1175 mm	1175 mm
HEIGHT	1430 mm	1430 mm	1430 mm
DEPTH	725 mm	725 mm	725 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	2	2
MAXIMUM NUMBER OF LASER LIGHT CABLES FOR EXTENDED DEVICE SIZE	4	4	4
INSTALLATION			
PROTECTION CLASS	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

	TruDisk 8002	TruDisk 10001	TruDisk 10002 (FD25)
LASER PARAMETERS			
LASER POWER ON THE WORKPIECE	8000 W	10000 W	10000 W
TYPICAL POWER CONSTANCY AT RATED POWER	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	160 W with active power regulation	200 W - 10000 W with active power regulation	200 W - 10000 W with active power regulation
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	8 mm ■ mrad	4 mm ■ mrad	8 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MINIMUM LASER LIGHT CABLE DIAMETER	200 µm	100 µm	200 µm
TYP. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
MAX. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE		± 0.5 %	-
STRUCTURAL DESIGN			
WIDTH	1175 mm	1620 mm	1990 mm
HEIGHT	1430 mm	1475 mm	1550 mm
DEPTH	725 mm	920 mm	1200 mm

	TruDisk 8002	TruDisk 10001	TruDisk 10002 (FD25)
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	2	4
MAXIMUM NUMBER OF LASER LIGHT CABLES FOR EXTENDED DEVICE SIZE	4	-	6
INSTALLATION			
PROTECTION CLASS	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C

	TruDisk 12001	TruDisk 16002	TruDisk 16003
LASER PARAMETERS			
LASER POWER ON THE WORKPIECE	12000 W	16000 W	16000 W
TYPICAL POWER CONSTANCY AT RATED POWER	± 1 % with active power regulation	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	240 W - 12000 W with active power regulation	320 W - 16000 W	320 W - 16000 W
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	4 mm ■ mrad	8 mm ■ mrad	12 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	1030 nm	1030 nm	1030 nm
MINIMUM LASER LIGHT CABLE DIAMETER	100 µm	200 µm	300 µm
TYP. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
MAX. LEISTUNGSKONSTANZ BEI NENNLEISTUNG ÜBER 8 STD. BEI KONSTANTER UMGEBUNGSTEMPERATUR			
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE	± 0.5 %		
STRUCTURAL DESIGN			
WIDTH	1620 mm	2800 mm	2800 mm
HEIGHT	1475 mm	1550 mm	1550 mm
DEPTH	920 mm	1400 mm	1400 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	6	6
MAXIMUM NUMBER OF LASER LIGHT CABLES FOR EXTENDED DEVICE SIZE	-	-	-
INSTALLATION			
PROTECTION CLASS	IP54	IP54	IP54
AMBIENT TEMPERATURE	10 °C - 50 °C	10 °C - 50 °C	10 °C - 50 °C