

TRUMPF



# TruDisk with green wavelength

Technical data

**TRUMPF**



**TruDisk Pulse 221****TruDisk Pulse 421****TruDisk 1020****LASER PARAMETERS**

LASER POWER ON WORKPIECE WITH LLK LENGTH 10 M	200 W	400 W	1000 W
TYPICAL POWER CONSTANCY AT RATED POWER	-	-	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	-	-	30 W with active power regulation
MAXIMUM PEAK PULSE POWER WITH LLK LENGTH 10 M	2 kW	4 kW	-
MAXIMUM PULSE ENERGY WITH LLK LENGTH 10 M	20 J	40 J	-
MAXIMUM GATING RATIO	10 %	10 %	-
ADJUSTABLE PULSE DURATION	0.3 ms - 50 ms	0.3 ms - 50 ms	-
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	4 mm ■ mrad	4 mm ■ mrad	2 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1	0.1
WAVELENGTH	515 nm	515 nm	515 nm
MINIMUM LASER LIGHT CABLE DIAMETER	100 µm	100 µm	50 µm
LASER POWER ON WORKPIECE WITH LLK LENGTH 20 M			950 W
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE			

**STRUCTURAL DESIGN**

WIDTH	1340 mm	1340 mm	1340 mm
HEIGHT	1430 mm	1430 mm	1430 mm
DEPTH	725 mm	725 mm	725 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	2	2

**INSTALLATION**

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

**TruDisk 2021****TruDisk 3022****LASER PARAMETERS**

LASER POWER ON WORKPIECE WITH LLK LENGTH 10 M	-	-
TYPICAL POWER CONSTANCY AT RATED POWER	± 1 % with active power regulation	-
CONTINUOUSLY ADJUSTABLE POWER RANGE	60 W - 2000 W with active power regulation	90 W - 3000 W bei aktiver Leistungsregelung
MAXIMUM PEAK PULSE POWER WITH LLK LENGTH 10 M	-	-
MAXIMUM PULSE ENERGY WITH LLK LENGTH 10 M	-	-
MAXIMUM GATING RATIO	-	-

**TruDisk 2021****TruDisk 3022**

ADJUSTABLE PULSE DURATION	-	-
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	4 mm ■ mrad	8 mm ■ mrad
NUMERICAL APERTURE ON THE OUTPUT COUPLING AFTER LLK	0.1	0.1
WAVELENGTH	515 nm	515 nm
MINIMUM LASER LIGHT CABLE DIAMETER	100 µm	200 µm
LASER POWER ON WORKPIECE WITH LLK LENGTH 20 M	2000 W	3000 W
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE		± 0.5 %

**STRUCTURAL DESIGN**

WIDTH	1340 mm	1340 mm
HEIGHT	1430 mm	1430 mm
DEPTH	725 mm	725 mm
MAXIMUM NUMBER OF LASER LIGHT CABLES	2	2

**INSTALLATION**

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

1 — Other optics configurations are available on request.