



昊量光电

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

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 1021**TruDisk 2021****LASER PARAMETERS**

LASER POWER ON WORKPIECE WITH LLK LENGTH 10 M	-	-
TYPICAL POWER CONSTANCY AT RATED POWER	± 1 % with active power regulation	± 1 % with active power regulation
CONTINUOUSLY ADJUSTABLE POWER RANGE	30 W with active power regulation	60 W - 2000 W with active power regulation
MAXIMUM PEAK PULSE POWER WITH LLK LENGTH 10 M	-	-
MAXIMUM PULSE ENERGY WITH LLK LENGTH 10 M	-	-
MAXIMUM GATING RATIO	-	-
ADJUSTABLE PULSE DURATION	-	-
BEAM QUALITY AT THE INPUT COUPLING IN THE LLK	4 mm ■ mrad	4 mm ■ mrad

TruDisk 1021**TruDisk 2021**NUMERICAL APERTURE ON THE
OUTPUT COUPLING AFTER LLK

0.1

0.1

WAVELENGTH

515 nm

515 nm

MINIMUM LASER LIGHT CABLE
DIAMETER100 μm 100 μm LASER POWER ON WORKPIECE
WITH LLK LENGTH 20 M

1000 W

2000 W

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

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1 — Other optics configurations are available on request.

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