



# TruDisk with green wavelength

Technical data



**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
LASER POWER ON WORKPIECE WITH LLK LENGTH 20 M	-	380 W	950 W
TYPICAL POWER CONSTANCY AT RATED POWER	-	-	-
TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE	-	-	± 0.5 %
MAXIMUM POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE	-	-	± 1 %
CONTINUOUSLY ADJUSTABLE POWER RANGE	-	-	30 W - 1000 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

**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	-	-
LASER POWER ON WORKPIECE WITH LLK LENGTH 20 M	2000 W	3000 W
TYPICAL POWER CONSTANCY AT RATED POWER	± 1 % with active power regulation	-

## TruDisk 2021

## TruDisk 3022

TYPICAL POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE		± 0.5 %
MAXIMUM POWER CONSTANCY AT RATED POWER OVER 8 HOURS AT CONSTANT AMBIENT TEMPERATURE		± 1 %
CONTINUOUSLY ADJUSTABLE POWER RANGE	60 W - 2000 W with active power regulation	90 W - 3000 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	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

### 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