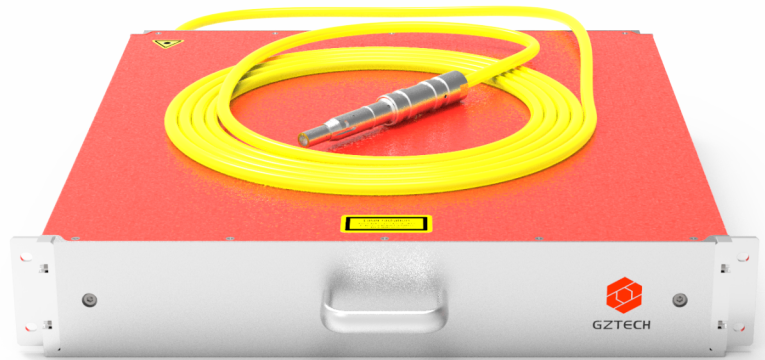


## YFPN-1000-GMC

MOPA FIBER LASER FOR CLEANING  
Data sheet V 1.0

### Features

- » MOPA Technology
- » TOP-HAT beam
- » Short pulse setup
- » Very competitive price
- » Pulse width modifiable



## TECHNICAL SPECIFICATIONS

Central Wavelength	1060-1080 nm	Spectral width @3dB	<30nm
Output power	1000 W	QBH divergence	<200 mrad
Max. pulse energy	50 mJ	Delivery cable	10 m
Range of power	0-100 %	Supply voltage DC	230 VAC
Repetition frequency	1-1000 kHz	Current consumption	<16 A
Full power frequency	400-1000 kHz	Power consumption	<3520 W
Pulse width	30-500 ns	Operating temperature	0 - 40 °C
Power instability	<5 %	Storage temperature	-10 - 60 °C
Beam quality	<9 mm*mrad	Colling method	Water
Laser switching ON/OFF time	<100 µs	Water chiller temperature	28 °C (Laser)
Laser dimension (mm)	794x485x145		30 °C (QBH)
Net weight	<60 kg	Water chiller flow	>10-20 L/min
		Pipe diameter	12 mm Laser/ 6mm QBH

## YFPN-1000-GMC

Pulse width corresponds to the power reduction frequency point and the maximum single pulse energy

Pulse width (ns)	Power reduction frequency (kHz)	Upper frequency limit (kHz)	Max. single pulse energy (mJ)
30	150	1000	6.67
60	80	1000	12.50
80	60	1000	16.67
100	45	1000	22.22
150	40	1000	25.00
200	33	1000	30.00
300	30	400	33.33
400	25	400	40.00
500	20	400	50.00

