

FemtoBlanc FWM-2



Introducing the FemtoBlanc FWM-2 regenerative amplifier. The FemtoBlanc FWM-2 is designed as an OEM solution for Medical and Industrial markets. With a footprint under 1.7 sq ft, the FemtoBlanc FWM-2 is one of the smallest high-power lasers available today. For even tighter applications, the FemtoBlanc FWM-2 can be mounted vertically to reduce the footprint to under 1 sq ft with zero degradation in performance.

The FemtoBlanc FWM-2 boasts the lowest cost of ownership in the industry by maintaining a high reliability profile in spite of a low cost of goods. Furthermore, the FemtoBlanc FWM-2 can claim one of the lowest service downtimes through utilization of an exhaustive set of FRU's (Field Replaceable Unit), which are designed to be easily accessible and replaced. With FemtoBlanc FRU's the customer can stock spare parts instead of spare lasers!

In spite of being the the smallest and most affordable femtosecond regenerative amplifier system in the industry, the FWM-2 does not sacrifice performance or reliability. With a tunable repetition rate (Single-Shot to 1 MHz) and power levels up to 10 Watts (High-Power option), the performance of the FemtoBlanc FWM-2 is second to none.

Features

Simple Cost-Effective Design (*Attractive Volume Pricing*)

Smallest Footprint in the Industry

Field Serviceable (*Perfect for High Volume OEM Applications Where Downtime Matters*)

Uncompromising Performance

Specifications

Femtosecond Regenerative Amplifier Model Number: FB-FWM-2	Fundamental	Second Harmonic
Wavelength Range (nm)	1030	515
Average Power (W)	5	> 2
Pulse Duration (fs)	< 400	< 400
Repetition Rate	SS – 1MHz	SS – 1MHz
Mode Quality (M2)	1.2	1.2
Pulse to Pulse Stability	1% / 10 minutes	1% / 10 minutes
Pulse Contrast	100:1	100:1
Start Up Time (Warm)	2 minutes	
Operating Temperature	15C – 40C	
Humidity	90% Noncondensing	
Cooling	Water (closed loop)	
Power Requirements	110V / 15A (50Hz/60Hz)	
Laser Head Dimensions	500 mm x 310 mm x 232 mm	
Weight (kg)	< 22	