



Performance Basic

Economic Manual Laser Welding

The Performance Basic is a well proven metal laser welding system for perfect welds. With an easy to use graphic touch display and robust and proven technology the Performance Basic is the workhorse for everyday work load. The Performance Basic benefits from the innovative technology of the Performance and uses weld assist systems to make the work process even more comfortable. The energy saving ECOmode™ is a contribution to our responsibility. What is more, the established and well-known SweetSpot® laser design is the warrant for unrivaled laser precision and reliability.



FEATURES & BENEFITS

- SweetSpot Resonator®
- Leica microscope
- TrueView™
- ECOmode
- Small footprint
- Easy set-up, easy to use

CONFIGURATION PACKAGE

- XE-Power™ includes:
 - Power upgrade
 - SPEEDmode™
 - BURSTmode™
 - Dynamic foot switch

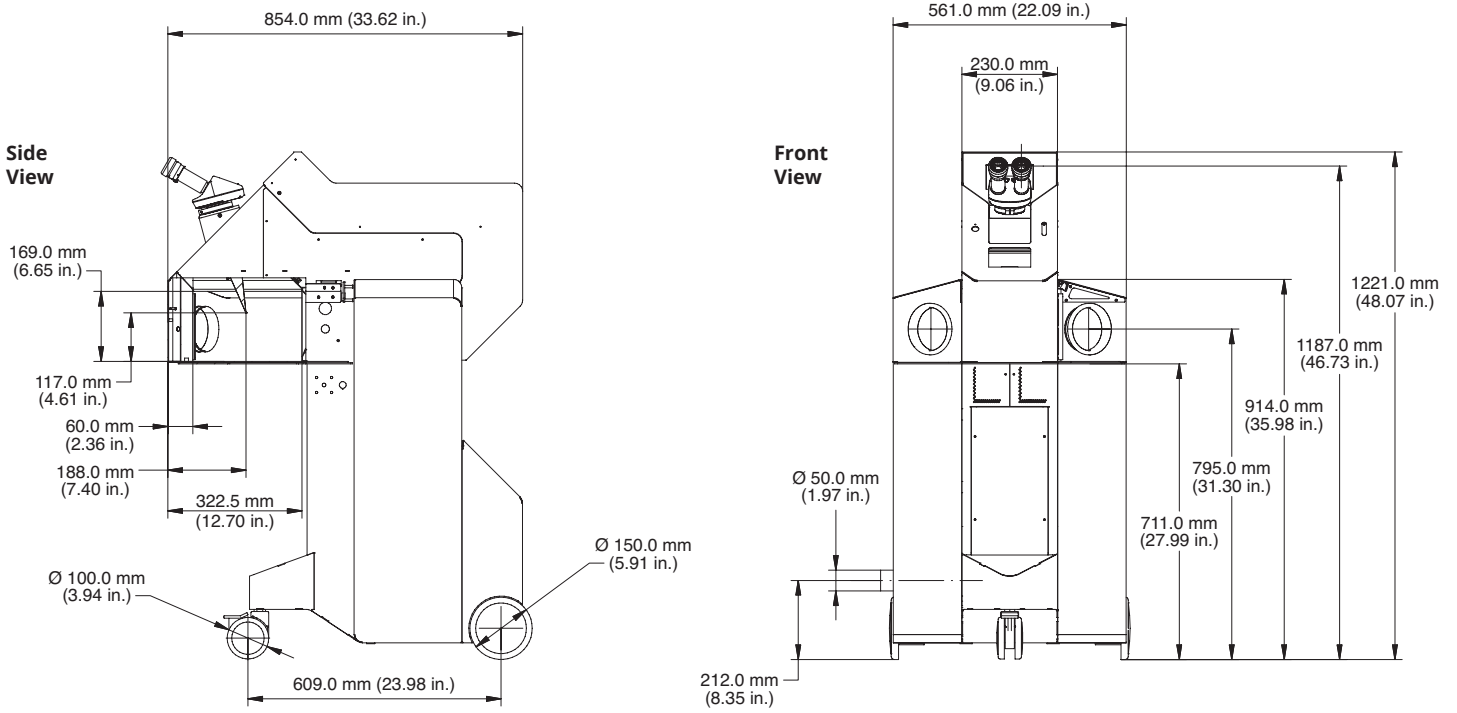
APPLICATIONS

- Manual Laser Welding of Metals

SPECIFICATIONS	Performance Basic	Performance Basic XE-Power
Nominal Power (W)	50	150
Pulse Peak Power (kW)	6	9
Pulse Energy (J)	80	100
Pulse Frequency (Hz) with SPEEDmode™	single pulse, 1 to 50 100	
Pulse Duration (ms)	0.3 to 2.0	
Focal Diameter (mm)	0.2 to 2.0	
UTILITIES		
Electrical	230 V (60/50 Hz), 16A (single phase)	
MEASUREMENTS		
Dimensions (L x W x H)	580 x 1230 x 853 mm (in.)	
Weight	125 kg (276.6 lbs)	
Power Consumption (Max.)		
CONFIGURATION		
	SweetSpot Resonator® 24/7 reliability Leica microscope, 10x eye-pieces with TrueView alignment Motorized spot size adjustment Pulse Shaping ECOmode™ Process gas supply with flexible and fixed nozzle connector for external exhaust and filter system	
		SPEEDmode™, provides double power for short cycles BURSTmode™, fires laser pulses of a predefined number RAMPmode™, up/down ramping of pulse power Dynamic Footswitch LED ring-light, in addition to Halogen spots
OPTIONS		
	Integrated HEPA Exhaust Air Cooling Nozzle	

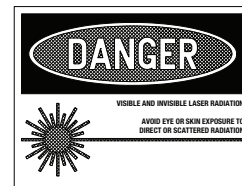
MECHANICAL SPECIFICATIONS

Performance Basic



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Coherent follows a policy of continuous product improvement. Specifications are subject to change without notice. Coherent's scientific and industrial lasers are certified to comply with the Federal Regulations (21 CFR Subchapter J) as administered by the Center for Devices and Radiological Health on all systems ordered for shipment after August 2, 1976.

Coherent offers a limited warranty for all Performance Basic Systems. For full details of this warranty coverage, please refer to the Service section at www.coherent.com or contact your local Sales or Service Representative. MC-027-19-0M1019 Copyright ©2019 Coherent, Inc.

