

# PR 800

Laser		
Wavelength	354.7	nm
Type	Solid State	ND: YV04
Frequency	100 (60-200)	kHz Dynamic
Cooling Method	Air	
Max Power (Approx.)	1w@100kHz, 2w@60kHz	Watts
Dynamic Power Adjustment	Yes	
Recommended Layer Thickness		
Precision	0.05	mm
Rapid	0.10 -0.25+	mm
Standard	0.15	mm
Optical & Scanning		
Beam Diameter at Vat (Approx.)	0.07 - 1.2	mm Dynamic
Focus Method	Dynamic	
HD+ Resolution (Approx.)	0.0008	mm
Max Scanning Speed (Approx.)	25000	mm/s
Elevator		
Vertical Resolution	0.0002	mm
Positional Repeatability (+/-)	0.01	mm
Removable Platform	Yes	Standard
No. of Build Platforms Supplied	2	Standard
Vat Capacity		
Volume (Approx.)	75 - 550 <i>Based on Tank Z Depth</i>	L
Max Build Envelope	800 x 700 x 550	mm
Interchangeable Vat	50 mm, Half, Full (Z=400), Custom	Optional
Software		
Control	RAPLAS Integra	
Input Data File Format	RAPLAS Build Processor	Magics
Network Type & Protocol	Ethernet, IEEE 802.3	
Power		
Voltage	220-240v, 50/60Hz	Single-Phase
Power (Approx.)	15	Amps
Working Environment		
Ambient Temp Range	20-26	Deg C
Humidity Range	Less than 50%	Non-Condensing
Size & Weight		
L x W x H (Installed)	1.710 x 1.320 x 1.985	m
Weight (Approx.)	1300	kg
Warranty		
	12 months from installation	