



Vulcan 1600e

Vulcan 500c

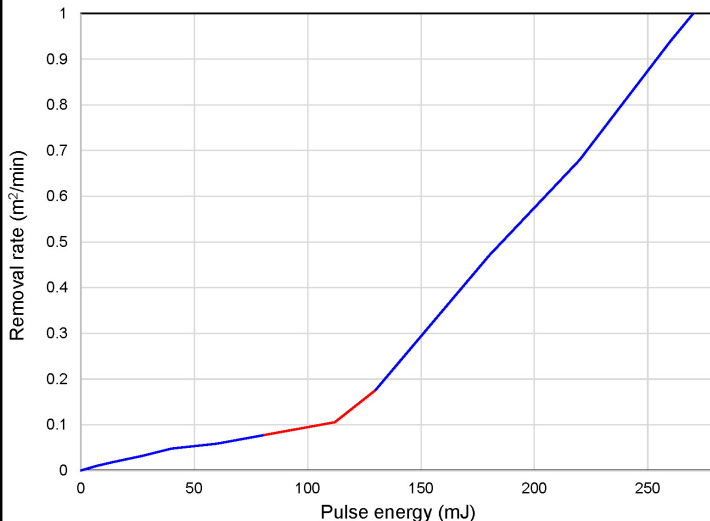
Vulcan 1200e

Vulcan 1600e

Rapid Paint and Coating Removal System

The most powerful Vulcan systems with a 1.6 kW Q-switched DPSS laser, fiber delivered to a robust galvanometer based ergonomic hand-held, compact scan head. With the proven reliability and high pulse energy of Rigel, Vulcan offers state of the art universal control systems and simple synchronization that will deliver faster processing and unlock the highest potential of laser based paint, coating removal and surface preparation.

Nonlinear increase of semi-transparent paint removal rate vs pulse energy (patent pending)



Features

- Highest Removal Rate & Lowest Cleaning Cost
- Pulse Energy Up To 200 mJ
- Integrated Control PC and Control Screen On Handheld
- Adjustable Scan Speed and Width
- Adjustable Focal Length with Additional Lenses
- Integrated Pressurized Gas Jet
- Replaceable Cover Window
- Optional Sensor Module (Distance, Temperature, Accelerometer)
- Edge blanking

Applications

- Paint and Coating Removal
- Rust Removal
- Surface Activation
- Oxidation Removal
- Pre-Weld Preparation
- Surface Cleaning and Restoration
- Mold Cleaning



Typical Laser Performance

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Average Power (W)	1600
Maximum Pulse Energy (mJ)	200
Pulse Duration (ns)	40 - 120 *
Center Wavelength (nm)	1064
Fibre Length (m)	Up to 100

* Dependent on repetition rate

Handheld Scanner

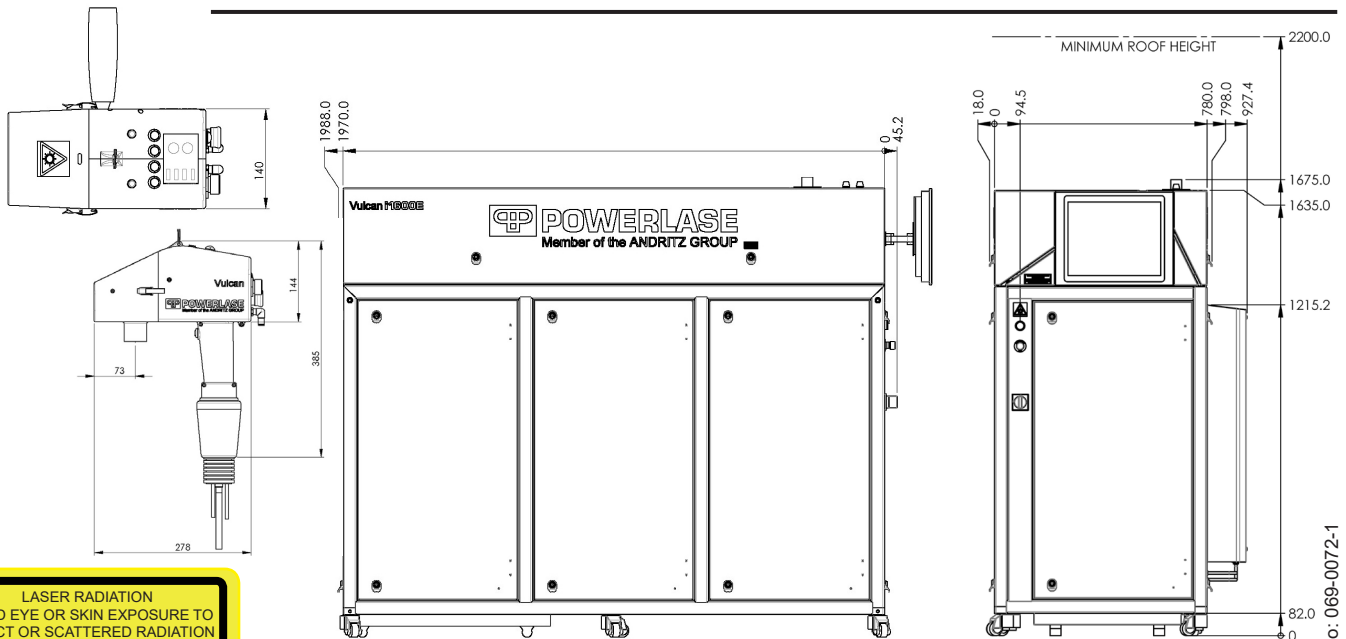
Minimum Spot Diameter (mm, 1/e2)	> 1.0
Scan Rate (m/sec)	Max. 10
Scan Width (mm)	Max. 100

Facility Requirements

Supply Voltage	3-phase N+E, 220 or 400 VAC (±10%)
Supply Frequency	50 or 60 Hz
Nominal Power Consumption	29 kVA
Cooling Water	60 litres/min at 11 - 17°C
Laser Dimensions	2030 x 1675 x 945.4 mm
Environmental Conditions	Temp 15 - 40°C and RH <60% (90% max, non condensing)

All specifications are preliminary and subject to change without notice

Dimensions



ANDRITZ Powerlase Ltd may make improvements and/or changes in the products described herein at any time without notice.

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