



Vulcan 1600e

Vulcan 500c

Vulcan 1200e

Vulcan 1600e

Rapid Paint and Coating Removal System

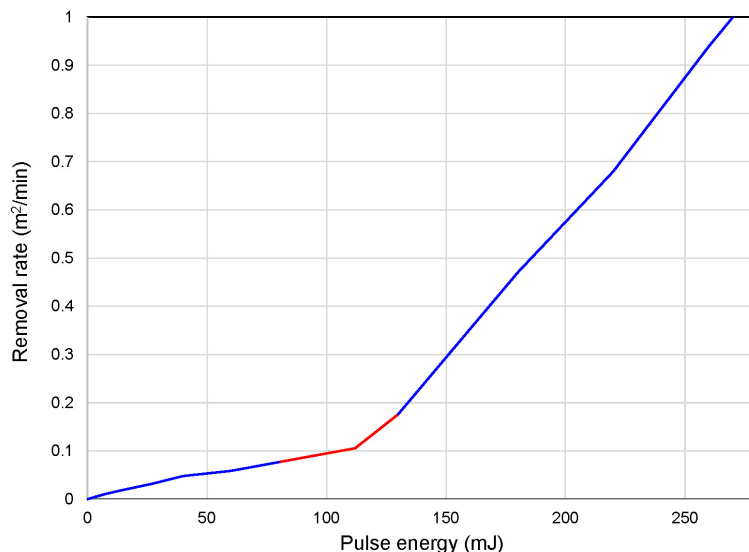
The most powerful Vulcan systems with a 1.6 kW Q-switched DPSS laser, fiber delivered to a robust galvanometer based ergonomic hand-held, compact scan head. With the proven reliability and high pulse energy of Rigel, Vulcan offers state of the art universal control systems and simple synchronization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

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
- Integrated Pressurized Gas Jet
- Replaceable Cover Window
- Edge blanking



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



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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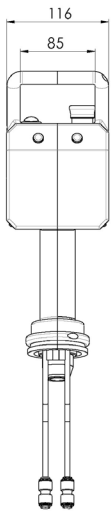
Vulcan 1600e

Average Power (W)	1600
Maximum Pulse Energy (mJ)	200
Pulse Duration (ns)	40 - 120 *
Center Wavelength (nm)	1064
Fibre Length (m)	Up to 30

* Dependent on repetition rate

Handheld Scanner

Minimum Spot Diameter (mm, 1/e2)	1.8
Scan Rate (m/sec)	Max. 10
Scan Width (mm)	Max. 75

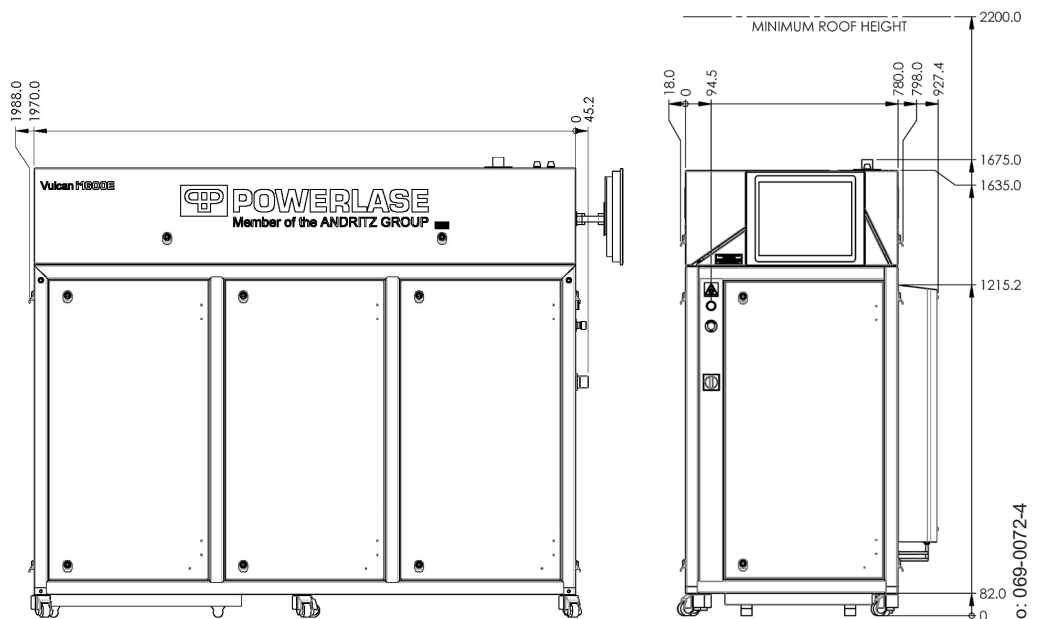
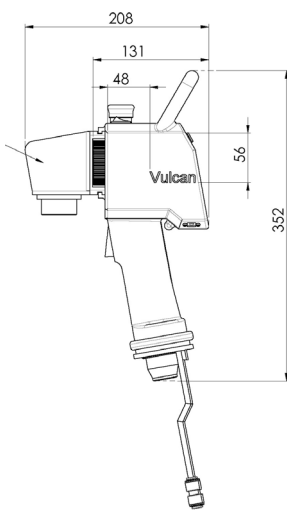


Facility Requirements

Supply Voltage	3-phase N+E, 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



LASER RADIATION
AVOID EYE OR SKIN EXPOSURE TO
DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT

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

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