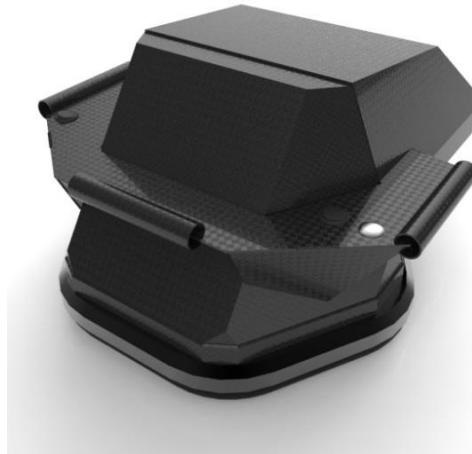


VAC DTECT HOOD



The Vac Dtect Hood is a versatile hand-held laser shearography system, comprising of a combined illumination and capture system mounted in a strong lightweight carbon fibre enclosure. A separate control unit is linked by a 10 meter umbilical. The system provides whole-field, non-destructive testing for rapid wide-field inspection of composites, bonded structures and other advanced materials. Loading the target using a variable vacuum load allows the user to assess the structure of a component. The Hood enables a rapid detection of defects such as delaminations, disbonds, impact damage and other sub-surface abnormalities. The control unit houses the processor and vacuum system that allows for easy transportation.

Head Module	
Field of View	439 cm ²
Wavelength	635nm
Power Output	10 x 35mW LEDs
Dimensions	380x300x230mm
Weight	4kg
Laser Classification	2M
Detection Image Resolution	1602x1202
Frame Rate	10fps
Coverage Time	5 mins / M ²



Control Unit	
Processing Time	
Fringe monitoring	Live
Phase wrapped images	<3s
Phase unwrapped imaging	<3s
Information Outputs	
Documentation	PDF report function
Image Format	AutoSaves JPEG
Video	Configurable resolution
Data Output	USB 2
Interface Device	Wireless keyboard
Loading Methods	Vacuum
System Dimensions	600x450x300mm
Umbilical Length	10m
Power Supply	110 VAC
System Power Consumption	1kW
Operating Temperature	5° – 40°

