

Meltio Engine CNC Integration kit

For vertical machining centers - Hybrid Manufacturing Integration

The most affordable hybrid manufacturing solution, fitting almost any Vertical Machining Center in the market. Enable metal 3D printing and machining of complex geometries in a single process step.

The Meltio Engine is the ideal complement for near-net shape manufacturing, repair and feature addition.



Engine Blue Integration kit



Engine Blue Integrated on a Haas VF4

Technical Specifications

Laser System:	1.0/1.4 kW 9 x 450 nm direct diode lasers	Print Envelope (WxDxH):	Depending on the Machining Center
Printhead:	Mounted on the right side of the spindle 32.5 to 35 kg	Feeder System:	Quad-point traction servo feeders, frictionless liners
Printhead Retracted Size (WxDxH):	280 x 332 x 684 mm	Process Control:	Melt Pool Camera & Closed-loop wire modulation
Printhead Unretracted Size (WxDxH):	280 x 332 x 943 mm	Power Input:	200/240 V 3W+PE 380/415 V 3W+N+PE
Control Unit:	Wall mounted, air-cooled 80.5 kg 600 x 300 x 800 mm	Power Consumption:	9.2 kW peak 1.0 / 1.4 kW avg cons: 3.93 / 4.56 kW
Human Machine Interface:	Wall mounted 17" tactile screen	Wire Feedstock:	Diameter: 0.8-1.2 mm / Spool Type: BS300 External wire drum ready
Cooling:	Water-cooled deposition head. Chiller Included	Product Configurations:	Single or Dual Wire
Software:	Meltio relies on its Software Partners Ecosystem for the Hybrid process, including additive and subtractive Visit Meltio Software Partners for more info	Compatible Materials:	Stainless Steels, Carbon Steels, Tool Steels, Nickel Alloys, Titanium, Copper Alloys, Gold alloys and more

Integration Requirements: [Requirements CNC](#)