

Meltio Product Datasheet

# 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

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

**Integration Requirements:** [Requirements CNC](#)