



SPEE3D

SPEE3Dcell

TECHNICAL SPECIFICATIONS

(Subject to Change Without Notice)

OVERALL

Dimensions:

20'(L) x 9'(W) x 9'(H)
[6.2m(L) x 2.6m(W) x 2.6m(H)]

Weight:

< 8 tonnes

Power Input:

400V | 3 Phase | 50/60Hz | 50kVA

INTERNAL



3-AXIS CNC MACHINE

Travel: 18"x11"x16.25"
(457mm x 279mm x 413mm)
Spindle: 10,000rpm, 1.5kW



SINTERING FURNACE

Temperature max: 1200°C
Inner dimensions (mm): 610Wx610Dx600H
Power: 16.5kW

AGING FURNACE

Temperature max: 650°C
Inner dimensions (mm): 560Wx750Dx650H
Power: 20kW



TEST EQUIPMENT

Hardness tester
Metrology equipment



MANUAL EQUIPMENT

Work bench incorporating tool storage
Pedestal drill (1.5kW)
Grinder and finisher
Vice
Air compressor (16 litre)
Quench tank

CONSUMABLES



TOOLING

CNC machine tooling
Soluble oil cutting fluid

Expeditionary Post-Processing and Testing

Introducing “SPEE3Dcell”, an expeditionary Advanced Manufacturing solution from SPEE3D. SPEE3Dcell contains all the necessary hardware to machine, heat treat, and test 3D printed parts made on SPEE3D’s printers. SPEE3Dcell consists of a heat treatment furnace, a CNC Mill, and material parts and testing equipment.

SPEE3Dcell is contained in a 20-foot shipping container with twist locks. It is suitable for transport by NATO in-service vehicles and trailers.

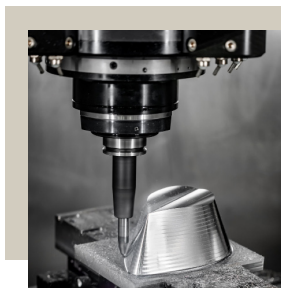
KEY BENEFITS

- Expeditionary
- Robust
- Proven
- Flexible
- Fully supported

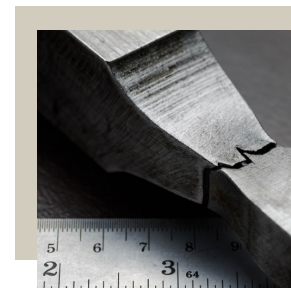
Everything you need to heat treat, machine, and test parts in the field



Heat treatment furnace



CNC 3-axis mill



Test equipment

SPEE3D enables customers to build and finish metal parts in minutes or hours in the field with the XSPEE3D metal 3D printer and SPEE3Dcell. This technology has been proven in expeditionary environments and is robust while quick and easy to set up.

SPEE3D technology improves logistics, reduces downtime, allows for customization, and the ability to grow a sovereign manufacturing capability.

Support

SPEE3D offers and provides equipment installation and commissioning, user operation training, and engineering process development support, as well as technical support both on-site and in the field.