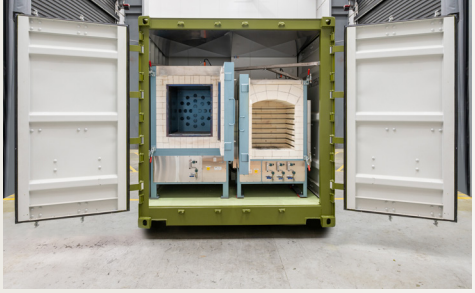


SPEE3D

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:
415V, 63A, 3P+E+N

INTERNAL

CNC MACHINE
3-axis
Travel: 18"x11"x16.25"
(457mm x 279mm x 413mm)
240V, single phase
Spindle, 10,000rpm, 1.5kW

SINTERING FURNACE
Temperature max: 1200°C
Inner dimensions (mm): 610Wx610Dx600H
415V, 16.5kW

AGING FURNACE
Temperature max: 650°C
Inner dimensions (mm): 560Wx750Dx650H
415V, 20kW

TEST EQUIPMENT
Hardness tester
Metrology equipment

MANUAL EQUIPMENT
Work bench incorporating tool storage
Pedestal drill 1.5kW
Grinder and finisher
Vice
Air compressor (20 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.

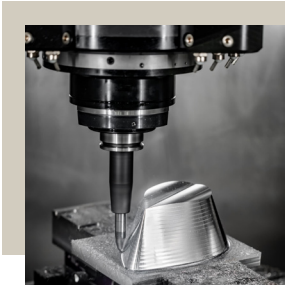
SPEE3Dcell is contained in a 20-foot shipping container with twist locks. It is suitable for transport by NATO in-service vehicles and trailers.

KEY BENEFITS

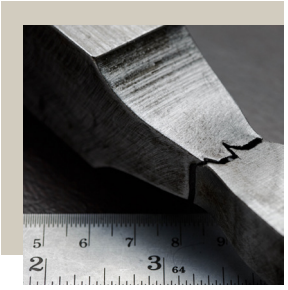
- Expeditionary
- Robust
- Proven
- Flexible
- Fully supported

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.