Precision.
Accuracy.
Repeatability.
Dependability.

TOOL SPECS:

- 352 x 152 x 152 mm Travel
- 152 x 152 x 152 mm Print Volume
- 0.100 µm XY Resolution
- 0.125 µm Z Resolution
- ± 5 µm XYZ Repeatability
- ± 10 µm XYZ Accuracy
- 120 mm/s XY Speed
- 50 mm/s Z Speed
- 0.3 g XYZ Loaded Acceleration
- 25” x 60” x 24” Outside Dimensions

nSCRYPT

nRugged™

Durable:
The nRugged™ is mission ready! With a military strength shell and heavy-duty grips for out of the lab, out of the box manufacturing.

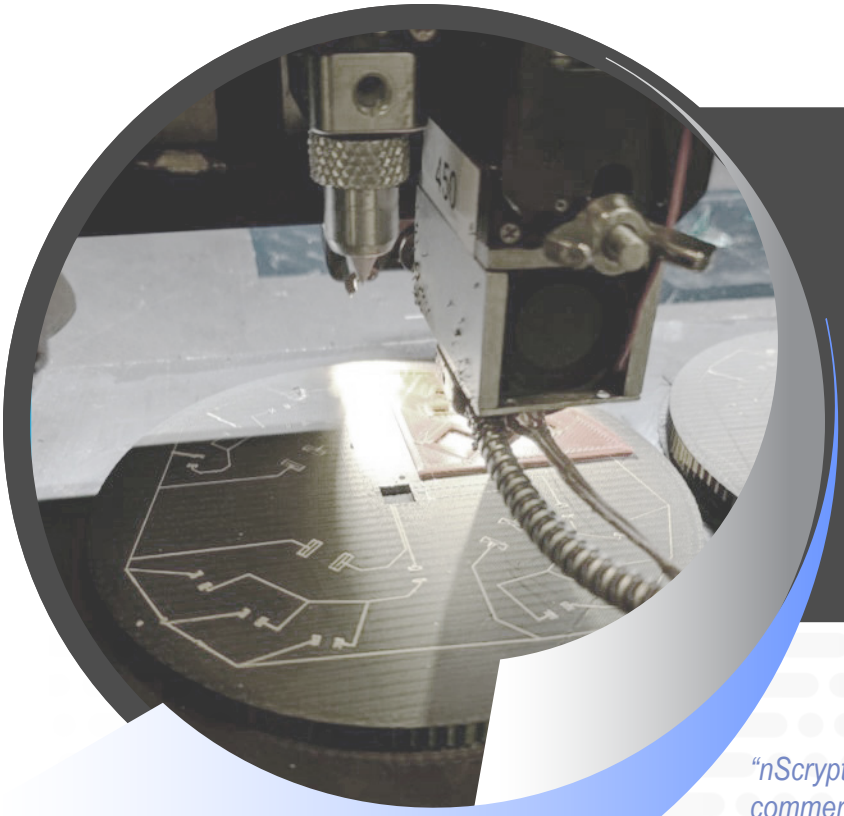
Mobile:
nRugged’s™ durable and lightweight carbon fiber exoskeleton make for in the field use and constant movement.

Customizable:
The nRugged™ is completely customizable for printed electronics, bioprinting, and industrial applications.

NCS TECHNOLOGIES

Joe Andrews • Director, 3D Print & Services

(703) 848-5169 (mobile) • jandrews@ncst.com • **www.ncst.com**



Gizmo Information

nScrypt's patented Gizmos offer a wide range of advantages compared to traditional additive and subtractive manufacturing methods. With microdispensing, FDM, milling, and pick and place abilities nScrypt's gizmos offer real Factory in a Tool solutions.

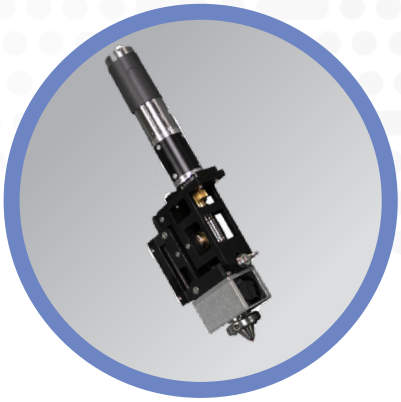
Ready for anything.

"nScrypt's Factory in a Tool system is honestly the only commercial tool that meets all of our requirements for multi-material and multi-functional additive manufacturing." - Mark Mirotznik, Professor of Electrical and Computer Engineering at UDEL

GIZMO OPTIONS

SmartPump™

The SmartPump™ is a positive pressure pump with a high-precision valve coupled with a precision nozzle. Some of the features include precise starts and stops with no material tailing, broad material compability, including high viscosity, and reduced line widths (as small 20 µm).



nFD™

The nFD™ is an FDM head that dispenses a wide range of thermoplastics including PEEK, PEKK, ULTEM, ABS, and PLA. With interchangable nozzles, reduced resolution, and temperature control of up to 400° C the nFD™ is the perfect head for base level Factory in a Tool (FiT) applications.

nMill™

nMill™ is a high speed spindle designed for micro-precision milling, drilling, and polishing. Equipped with a 50,000 RPM motor and spindle with less than 1 µm total runout. Also includes interchangable bits for different range of milling sizes and a dust collection system,

www.nscrypt.com