

The nFD™ device is driven by a high-precision computer controlled system that allows the user to precisely place materials in a specified XYZ location. The size of the nFD™ was also designed with the approach that size matters and therefore this device has an intentionally narrow profile to allow multiple devices to be utilized on a single hardware platform. The nFD™ was designed to print thermoplastics utilizing a flexible approach that allows the user to choose pen tip shapes and sizes. The interchangeable nozzles, nTips™, allow users to print parts more accurately than any other 3D printing system. With a wide operating temperature range, the nFD™ is capable of printing a variety of materials including but not limited to ABS, PLA, and ULTEM. The nFD™ also features two thermocouple slots, one for the temperature control loop and a second for a safety limiter. A heater control system and heated bed are required.

Size:

H180x W25xD64.8mm
(H 7.09x W0.98x D2.55 in)

Weight:

0.41kg(0.9lb)

Material Needed:

1.75mm Filament
(+/-0.1mm)

Temperature Range:

Upto 400° C
(Upto 752° F)

Parts Included:

- nFD™ Pump with dovetail
- K-type thermocouple(2)
- Nozzle heater
- Heat break
- Heating Element
- Ceramic Tip

Features:

- Light weight and small factor
- Interchangeable nozzles
- Reduced Resolution
- Broad material compatibility

Standard ceramic Tip size chart

(Contact us for larger or custom sizes)

nTip Part#	I.D. (µm)	O.D. (µm)
900-4000-014	10	25
900-4000-015	15	25
900-4000-002	25	50
900-4000-003	50	75
900-4000-004	50	100
900-4000-005	75	125
900-4000-006	100	150
900-4000-007	125	175

