PLASMICS

INo Trident

The world's first commercially available induction heated nozzle for 3D printing

ALUMINIUM CASING

- Weight: less than 30g
- Dimensions: ø 24.6mm * h 61.5mm

FLEXIBLE MOUNT

- Can be mounted from the top or the side, making it compatible with almost every 3D Printer

NOZZLE

- Up to 500°C Nozzle temp enabling high end filament
- Made from abrasion resistant tool steel
- Capable of extruding GF, CF, PA & PEKK filaments without wear
- Thermocouple for fast temperature measurement

INDUCTION HEATING

- No temperature overshoot
- Heats up the nozzle from room temp to 250°C in 4 seconds
- Cool down below glass transition temperature in less than 10s

Technical Specification

Weight	30g
Dimensions	ø 24.6mm * h61.5mm
Full Metal Hotend	Yes
Max printing temperature	500°C
Temperature sensor type	K-type thermocouple
Nozzle material	Abrasion resistant tool steel
Heatsink material	Aluminium
Voltage options	24V or 48V
Filament diameter	1.75mm
Nozzle diameter	0.4mm and 0.6mm for 1.75
Change Max Power Draw	60W - 120W
Heat up	From room temp to 250°C in less than 4 seconds
Working integration	With Klipper, Marlin And Duet/RRF3
Supported Material	PLA/ ABS/ HIPS/ PC/ TPU/ TPE/ PETG/ ASA/ PP/ PVA/ PEKK/ PEEK / ULTEM / Nylon/ Glass Fiber reinforced/ Carbon Fiber reinforced/ Metal Fill/ Wood Fill
Flexible Mount:	Top or Side

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