

nMill™ is a high speed spindle designed for micro-precision milling, drilling, and polishing. Featuring a 50,000 RPM motor and spindle with less than 1µm total runout, nMill™ is the perfect tool for the post processing of thermoplastics and more. nMill™ is equipped with a dust collection system that will keep both the work piece and machine debris free. nMill™ also includes an air coolant nozzle to prevent the thermoplastics from melting and reduces the processing time. nMill™ has a 1/8" collect for the use of a wide range of bits and comes standard with an end mill exclusively designed for plastic processing, micro drills for high accuracy vias, and a polishing wheel for creating that smooth finished part.



SIZE:

H 220.3 x W
24.9 x D 51.1MM
(H 8.67 x W 0.98
x D 2.01IN)

WEIGHT:

0.68 KG (1.5 LB)

MAX SPEED:

50,000 RPM

AIR SUPPLY

REQUIREMENTS:

CLEAN DRY AIR
0.15 - 0.25MPA
AT 1 CFM

VACUUM

REQUIREMENTS:

CAPABLE OF 150
CFM AND 60 INH₂O
SEALED PRESSURE

FEATURES:

- PRECISION BEARINGS FOR TIGHTLY CONTROLLED RUN-OUT
- SMALL FORM FACTOR
- VACUUM FOR DUST CONTROL
- AIR COOLANT NOZZLE

PARTS INCLUDED:

- nMILL WITH DOVETAIL (SPINDLE, CONTROL BOX, MOTOR)
- VACUUM HOSE SYSTEM (NOZZLE, FILTER, HOSE LINE, STANDARD 2.5" DUCT PORT)
- AIR COOLANT NOZZLE
- 1/8" COLLET

COLLET SIZES:

- ANY SIZE BETWEEN 0.05" UP TO 1/8"
- HIGHER PRECISION COLLETS AVAILABLE FOR SELECT SIZES