

NH Series: The Precision Machine

State of the Art designs, experienced employees and years of application know-how make this series a low risk and high return investment.

One piece highly stiffened cast bed irrespective of size, ensures rigidity and stability. Factory coated and scraped guideways in all axes provide excellent damping and surface finish.

Highly rigid and precise factory designed and manufactured Spindle runs in super precision bearings, grease packed for life. This is our USP, the heart of our machine.

Flexible PLC and CNC control options for grinding and dressing axes, flexible dressing and gauging options and Flexible coolant options make this series suitable for every budget and level of sophistication and automation.

We will provide the optimum solution for your need and application.

Technical Specifications – NH

Models	NH-500	NH-600	NH-750	NH-8040	NH-1000
Machining Tange					
Grinding Length*Width (max) mm (in)	500250 (2010)	600300 (2412)	750300 (3012)	800400 (3216)	1000250 (4010)
Distance between table and spindle center (max) mm (in)	400 (16)	400 (16)	400 (16)	400 (16)	400 (16)
Working Surface mm (in)	500250 (2010)	600300 (2412)	750300 (3012)	800400 (3216)	1000250 (4010)
Weight carrying capacity of table (Max) kg (lb)	200 (440)	250 (500)	400 (880)	600 (1320)	500 (1100)
Table					
Max Longitudinal movement mm (in)	550 (22)	650 (26)	800 (22)	850 (22)	1050 (22)
T-slots (number*width) mm (in)	114 (10.55)	114 (10.55)	114 (10.55)	114 (10.55)	114 (10.55)
Longitudinal Movement					
Max Table Speed m/min (ft/min)	20 (65)	20 (65)	20 (65)	20 (65)	20 (65)
Cross Movement					
Auto cross feed at each Table reversal mm / Stroke (Inch / Stroke)	0.25-6 / (0.01 – 0.24)	0.25-6 / (0.01 – 0.24)	0.25-6 / (0.01 – 0.24)	0.25-6 / (0.01 – 0.24)	0.25-6 / (0.01 – 0.24)
Manual feed rate/tum mm (in)	1 (0.04)	1 (0.04)	1 (0.04)	1 (0.04)	1 (0.04)
Least count of hand wheel mm (in)	0.01 (0.0004)	0.01 (0.0004)	0.01 (0.0004)	0.01 (0.0004)	0.01 (0.0004)

Models	NH-500	NH-600	NH-750	NH-8040	NH-1000
Vertical Movement					
Manual feed rate/tum mm (in)	0.2 (0.0008)	0.2 (0.0008)	0.2 (0.0008)	0.2 (0.0008)	0.2 (0.0008)
Least count of hand wheel mm (in)	0.002 (0.0001)	0.002 (0.0001)	0.002 (0.0001)	0.002 (0.0001)	0.002 (0.0001)
Power elevation mm (in)	100 (4)	100 (4)	100 (4)	100 (4)	100 (4)
Grinding Wheel					
DiameterThicknessBore mm (in)	2002025.80 (80.752)	2002025.80 (80.752)	25025.76.2 (101*3)	30025.76.2 (121*3)	30025.76.2 (121*3)
Motors					
Speed rpm	2880	2880	1440	1440	1440
Grinding Spindle hp (kw)	2 (1.5)	2 (1.5)	5 (3.75)	5 (3.75)	5 (3.75)
Vertical Up Down hp (kw)	0.25 (0.18)	0.25 (0.18)	0.25 (0.18)	0.25 (0.18)	0.25 (0.18)
Cross Feed hp (kw)	0.25 (0.18)	0.25 (0.18)	0.35 (0.26)	0.35 (0.26)	0.35 (0.26)
Coolant pump hp (kw)	0.12 (0.1)	0.12 (0.1)	0.12 (0.1)	0.12 (0.1)	0.12 (0.1)
Machine Size					
LengthWidthHeight mm (in)	125014501650	135016401650	145020501650	150021501700	145023001650
Weight					
Net Weight kg (lb)	1200 (2640)	1500 (3300)	2800 (6160)	3200 (6600)	4000 (8800)
Gross Weight kg (lb)	1600 (3520)	1900 (4180)	3600 (7920)	3800 (8360)	4800 (10560)