



ITEM	NV-855
Travel	
X-Axis Travel	830mm
Y-Axis Travel	550mm
Z-Axis Travel	550mm
Spindle Nose to table	135-685mm
Spindle center to Z-Rail travel	595mm
Three-Axis Guideway	X Y Z load Roller Linear Guideway
Table	
Table Size	1000 x 550mm
T-Slot (number*width*pitch)	5 x 18 x 90mm
Maximum table load	800 KGS.
Spindle	
Spindle taper	(Ø140mm) BT-40
Spindle Driven	Direct driven (DDS)
Spindle Speed	12,000 Rpm
Spindle motor Torque	96 N/m
Feed Rate	
X.Y Axis Rapid traverse	40 / 40m/min
Z-Axis Rapid traverse	40m/min
X.Y.Z Max. Cutting feed rate	12m/min
ATC tool changer	
Arm-Type (Tool to tool)	24 Tools ATC (1.8sec)
Max.Tool diameter*adjacent (with Neighbor)	Ø80 x 300mm
Max. Tools weight	7 KGS
Motors	
Spindle Motor (Rate/Max.)	7.5Kw / 11 Kw
X.Y Axis Servo Motor	2.0 Kw
Z Axis Servo Motor / w Breaks	3.0Kw BS
Machine Accuracy	

Positioning Accuracy (JIS) Std.	± 0.008mm / 300mm
Repeatability Accuracy (JIS) Std.	± 0.003mm
Power Required (kva/ Electricity Capacity)	20 kva(7.5/11kw) 3 φ -AC 220V ±5% / 3 φ -AC 380V 60Hz ± 5%
Air-Pressure Requirement	6^8 kg/cm ²
Others	
External Dimensions (L*W*H)	2500 * 2200 * 2400mm
Gross.Weight	5000 KG (5 ton)
Ground Clearance (height)	2500mm

STANDARD ACCESSORIES:

• BT-40 DIRECT DRIVEN (DDS) 12,000 Rpm	• TOOL BOX & TOOLS
• AIR- BLAST THROUGHT SPINDLE	• SCREW TYPE CHIP CONVEYOR + CART
• WORK LAMP / WORK LED LIGHT	• TOOLS LENGTH MEASURING EQUIPMENT
• THREE COLOR LIGHT	• ARM-TYPE ATC-24 TOOLS
• AUTO POWER OFF	• HIGH PRESSURE WATER & AIR-GUN
• AUTO LUBRICATION SYSTEM	• CHIP FLUSH SYSTEM & NOBS
• RIDGIT TAPPING & THREADING SYSTEM OPERATION	• FULL SPLASH GUARD
• HEAT EXCHANGER FOR CONTROLLER CABINET	• UBS INTERFACE
• SPINDLE OIL COOLANT SYSTEM	• SPINDLE CUTTING COOLANT RING

OPTIONAL ACCESSORIES

• 4TH AXIS ROTARY TABLE: Ø125 / Ø170 / Ø210 / Ø255mm	• HEAVY SPINDLE MOTOR 11KW/18.5KW
• CHAIN TYPE CHIP CONVEYOR + CART	• CE SAFTY DOORS SYSTEM
• SEMI-AUTO ROTARY TABLE APC SYSTEM	• HEAVY SPINDLE TROQUE MOTOR
• LCD SCREEN 15" INCH	• CE APPROVED CERTIFICATION

ITEM

NV-1165

Travel

X-Axis Travel	1100mm
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Y-Axis Travel	650mm
Z-Axis Travel	600mm
Spindle Nose to table	120-720mm
Spindle center to Z-Rail travel	680mm
Three-Axis Guideway	X Y Z load Roller Linear Guideway

Table

Table Size	1200 x 600mm
T-Slot (number*width*pictch)	5 x 18 x 100mm
Maximum table load	900 KGS.

Spindle

Spindle taper	(Ø150mm) BT-40
Spindle Driven	Direct driven (DDS)
Spindle Speed	12,000 Rpm
Spindle motor Troque	115N/m

Feed Rate

X.Y Axis Rapid traverse	40 / 40m/min
Z-Axis Rapid traverse	40m/min
X.Y.Z Max. Cutting feed rate	12m/min

ATC tool changer

Arm-Type (Tool to tool)	24 Tools ATC (1.8sec)
Max.Tool diameter*adjacent (with Neighbor)	Ø100 x 300mm
Max. Tools weight	7 KGS

Motors

Spindle Motor (Rate/Max.)	11~18.5 Kw
X.Y Axis Servo Motor	3.0 Kw
Z Axis Servo Motor / w Breaks	3.0Kw BS

Machine Accuracy

Positioning Accuracy (JIS) Std.	± 0.008mm / 300mm
Repeatability Accuracy (JIS) Std.	± 0.003mm
Power Required (kva/ Electricity Capacity)	25 kva(7.5/11kw) 3 C -AC 220V ±5% / 3 C -AC 380V 60Hz ± 5%
Air-Pressure Requirement	6^8 kg/cm ²

Others

External Dimensions (L*W*H)	2700 * 2300 * 2550mm
Gross.Weight	6450 KG (6.5 ton)
Ground Clearance (height)	2600mm

STANDARD ACCESSORIES:

• BT-40 DIRECT DRIVEN (DDS) 12,000 Rpm	• TOOL BOX & TOOLS
• AIR- BLAST THROUGHT SPINDLE	• SCREW TYPE CHIP CONVEYOR + CART
• WORK LAMP / WORK LED LIGHT	• TOOLS LENGTH MEASURING EQUIPMENT
• THREE COLOR LIGHT	• ARM-TYPE ATC-24 TOOLS
• AUTO POWER OFF	• HIGH PRESSURE WATER & AIR-GUN
• AUTO LUBRICATION SYSTEM	• CHIP FLUSH SYSTEM & NOBS
• RIDGIT TAPPING & THREADING SYSTEM OPERATION	• FULL SPLASH GUARD
• HEAT EXCHANGER FOR CONTROLLER CABINET	• UBS INTERFACE
• SPINDLE OIL COOLANT SYSTEM	• SPINDLE CUTTING COOLANT RING

OPTIONAL ACCESSORIES

• 4TH AXIS ROTARY TABLE: Ø125 / Ø170 / Ø210 / Ø255mm	• HEAVY SPINDLE MOTOR 11KW/18.5KW
• CHAIN TYPE CHIP CONVEYOR + CART	• CE SAFTY DOORS SYSTEM
• SEMI-AUTO ROTARY TABLE APC SYSTEM	• HEAVY SPINDLE TROQUE MOTOR
• LCD SCREEN 15" INCH	• CE APPROVED CERTIFICATION

ITEM

NV-1370

Travel

X-Axis Travel	1300mm
Y-Axis Travel	750mm
Z-Axis Travel	700mm
Spindle Nose to table	120-820mm
Spindle center to Z-Rail travel	780mm
Three-Axis Guideway	X Y Z load Roller Linear Guideway

Table

Table Size	1400 x 700mm
T-Slot (number*width*pictch)	5 x 22 x 125mm
Maximum table load	1500 KGS. (1.5Tons)

Spindle

Spindle taper	(Ø160mm) BT-40
Spindle Driven	Direct driven (DDS)
Spindle Speed	12,000 Rpm
Spindle motor Troque	115N/m

Feed Rate

X.Y Axis Rapid traverse	30 / 30m/min
Z-Axis Rapid traverse	30m/min
X.Y.Z Max. Cutting feed rate	12m/min

ATC tool changer

Arm-Type (Tool to tool)	24 Tools ATC (2.4sec)
Max.Tool diameter*adjacent (with Neighbor)	Ø100 x 300mm
Max. Tools weight	15 KGS

Motors

Spindle Motor (Rate/Max.)	11~18.5 Kw
X.Y Axis Servo Motor	3.0 Kw
Z Axis Servo Motor / w Breaks	3.0Kw BS

Machine Accuracy

Positioning Accuracy (JIS) Std.	± 0.008mm / 300mm
Repeatability Accuracy (JIS) Std.	± 0.003mm
Power Required (kva/ Electricity Capacity)	30 kva(7.5/11kw) 3 C -AC 220V ±5% / 3 C -AC 380V 60Hz ± 5%
Air-Pressure Requirement	6^8 kg/cm ²

Others

External Dimensions (L*W*H)	3300 * 2700 * 2800mm
Gross.Weight	8000 KG (8. ton)

Ground Clearance (height)	3000mm
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STANDARD ACCESSORIES:

● BT-40 DIRECT DRIVEN (DDS) 12,000 Rpm	● TOOL BOX & TOOLS
● AIR- BLAST THROUGHT SPINDLE	● CHAIN TYPE CHIP CONVEYOR + CART
● WORK LAMP / WORK LED LIGHT	● TOOLS LENGTH MEASURING EQUIPMENT
● THREE COLOR LIGHT	● ARM-TYPE ATC-24 TOOLS
● AUTO POWER OFF	● HIGH PRESSURE WATER & AIR-GUN
● AUTO LUBRICATION SYSTEM	● CHIP FLUSH SYSTEM & NOBS
● RIDGIT TAPPING & THREADING SYSTEM OPERATION	● FULL SPLASH GUARD
● HEAT EXCHANGER FOR CONTROLLER CABINET	● UBS INTERFACE
● SPINDLE OIL COOLANT SYSTEM	● SPINDLE CUTTING COOLANT RING

OPTIONAL ACCESSORIES

● 4TH AXIS ROTARY TABLE: Ø125 / Ø170 / Ø210 / Ø255mm	● HEAVY SPINDLE MOTOR 11KW/18.5KW
● CHAIN TYPE CHIP CONVEYOR + CART	● CE SAFTY DOORS SYSTEM
● SEMI-AUTO ROTARY TABLE APC SYSTEM	● HEAVY SPINDLE TROQUE MOTOR
● LCD SCREEN 15" INCH	● CE APPROVED CERTIFICATION



