

Bringing Excellence of Engineering to
Wood Industries



www.niharindustries.com





Bringing Excellence of Engineering to Wood Industries

Nihar Industries is synonymous with wood crafting machineries. We excel in manufacturing machineries required in wood Cutting, Polishing, Pressing, Fabrication and Engraving. Every machine or equipment needed in a wood factory is available with us. Global standards are maintained in our manufacturing process, while our human capital is superior in comparison to others in this same industry.


Trusted Suppliers

For a complete supply of wooden items manufacturing unit you need not look beyond Nihar Industries. We are the first to cater to your needs last to compromise on quality. We are confident of meeting your business demands at competitive prices. We are open to business enquiries and assure prompt attention once and always. Thank you....

Nihar industries



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Technical Specification

Description	Unit	NR - 111
No. of Working Table	Nos.	1 or 2
Work Table Size (L x B)	mm	2440 x 1250 (96"x48")
Max. Thickness of Work Piece	mm	50
Max. Connecting Load	KW/HP	18/24
Average Cycle Time	Min.	3-5
Vacuum	mpa	-0.1
Heating System	-	Through Heaters
Controls	-	Manual/Auto
Application	-	MDF/HDF/Flush Door/ Ply/PVC Foam Board
Lamination Material	-	PVC Foil
PVC Foil Thickness	mm	0.30-0.40
Approx Dimension (L x B x H)	mm	5300x1700x1600

*Specifications are subjected to change without notice.

- Available in translucent, Red & white color
- Length as per requirement and also available in 10mtr and 20mtr long roll.

Salient Features

- Used for holding vacuum to produce high quality membrane door.
- Suitable for temp upto 250 Deg C
- Non toxic and no harmful effect.

Application

- Membrane door production.
- High temperature sealing application.
- Food and medical equipments and machineries.
- Pharmaceutical machineries.
- Packaging machineries.

Technical Specification

Width	Thickness
1200 mm	2 mm
1400 mm	2 mm
1500 mm	2 mm

*Specifications are subjected to change without notice.

Salient Features

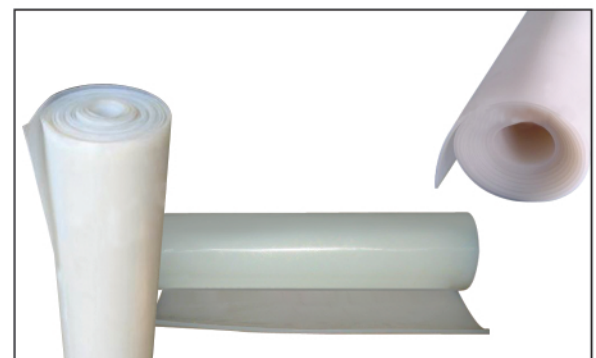
- Energy efficient structure design.
- Vacuum through German vacuum pump.
- Automatic vacuum control.
- Silicon sheet for vacuum holding and best quality result.
- Working trolley designed to accommodate 90" x 48" doors.
- Heating through electric heaters.
- Centralized controlling and display system.
- Digital temperature indicator.
- Robust & heavy duty structure.
- Single & double working table arrangement.
- Faster your production.
- User friendly & easy to operate.

Optional

- Heating through infrared bulbs.

NR - 111

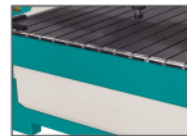
SILICON SHEET



CNC ROUTER



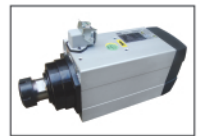
NR - 115



T-Slot Clamping



NK-105



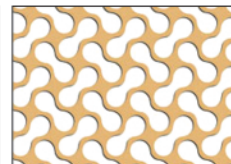
HSD Spindle

Technical Specification

Description	NR - 115
X-Y-Z Axis Movement	1300 x 2500 x 200 mm
Reposition Accuracy	0.01mm
X-Y Movement	Taiwan Rack & Pinion Transmission
Z Movement	German Ball Screw
Table Size	1440 x 3040 mm
Max Idling Speed	35m/min
Max Cutting Speed	25m/Min
Working Voltage	3 Ø / 380V / 50HZ
Spindle (Air Cooled Italian HSD Spindle)	6HP, 0-18000 RPM
Drive Motor	Servo
Command	G Code (*.mmg, *.plt, *.tap)
Computer Interface	USB
Cable & Cable Guide	"IGUS" German
Controls	NK-105 / NC Studio
Colet Type & Size	ER 32 (3mm, 6mm, 12mm)
Work Piece Holding	Manual T - Slot Clamping
Vacuum Clamping	Optional
Rotary Job Size	-

Salient Features

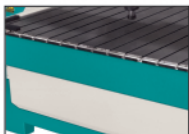
- Whole Steel structure, Taiwan Linear Square orbit, Gear Rack for X Y axis, German Ball Screw for Z axis. Advance NK105 System.
- Artcam, Type 3 and Wentai Software Support.
- Option available with Italian HSD Spindle for long life maintenance free accurate operations.
- High Speed servo motor. Two for Y axis, and one for Each X & Z axis.
- Auto Oiling and aligning system.



*Specifications are subjected to change without notice.



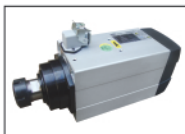
NR - 115 R



T-Slot Clamping



NK-105



HSD Spindle

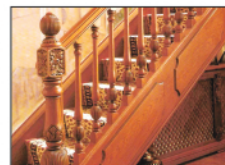
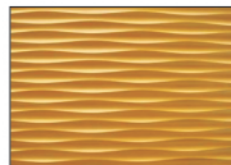
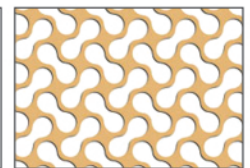
Technical Specification

Description	NR - 115 R
X-Y-Z Axis Movement	1300 x 2500 x 200 mm
Reposition Accuracy	0.01mm
X-Y Movement	Taiwan Rack & Pinion Transmission
Z Movement	German Ball Screw
Table Size	1440 x 3040 mm
Max Idling Speed	35m/min
Max Cutting Speed	25m/Min
Working Voltage	3 Ø / 380V / 50HZ
Spindle (Air Cooled Italian HSD Spindle)	6HP, 0-18000 RPM
Drive Motor	Servo
Command	G Code (*.mmg, *.plt, *.tap)
Computer Interface	USB
Cable & Cable Guide	"IGUS" German
Controls	NK-105 / NC Studio
Colet Type & Size	ER 32 (3mm, 6mm, 12mm)
Work Piece Holding	Manual T - Slot Clamping
Vacuum Clamping	Optional
Rotary Job Size	Max. Dia. 150mm X1500mm

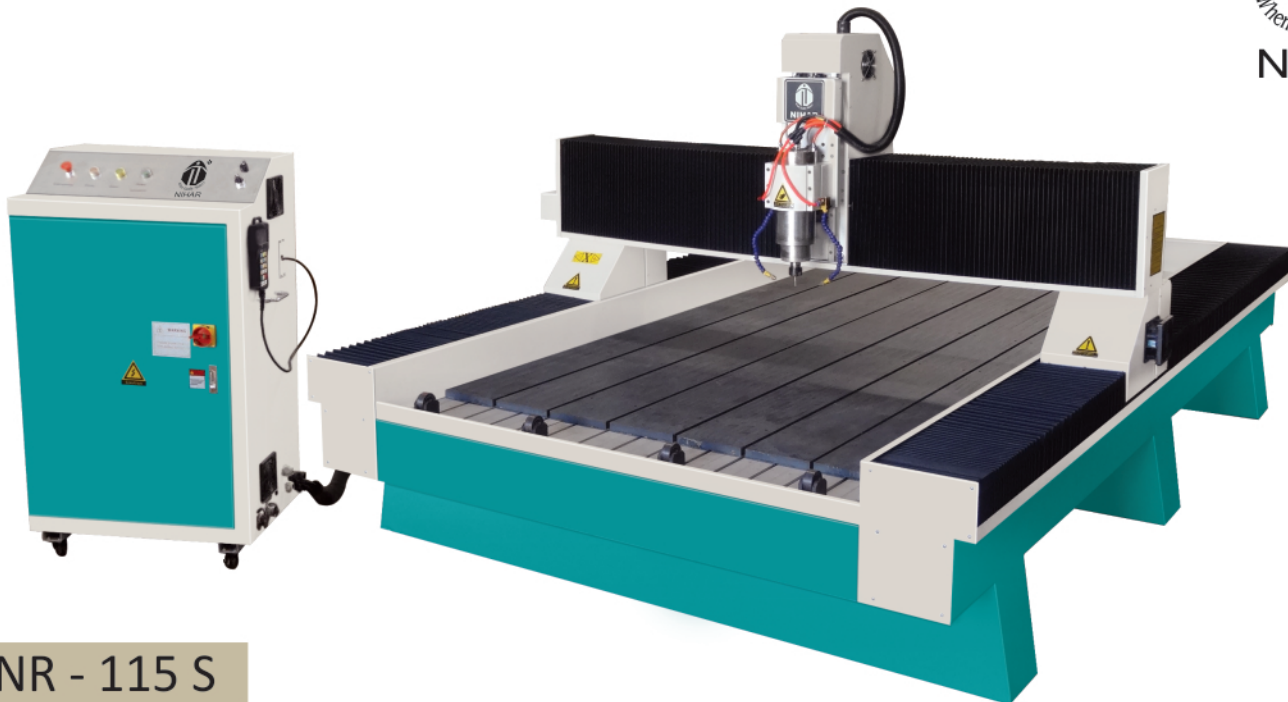
*Specifications are subjected to change without notice.

Salient Features

- Whole Steel structure, Taiwan Linear Square orbit, Gear Rack for X Y axis, German Ball Screw for Z axis. Advance NK105 System.
- Artcam, Type 3 and Wentai Software Support.
- Option available with Italian HSD Spindle for long life maintenance free accurate operations.
- High Speed servo motor. Two for Y axis, and one for Each X & Z axis.
- Auto Oiling and aligning system.



STONE CNC ROUTER



NR - 115 S

Technical Specification

Description	NR - 115 S
X-Y-Z Axis Movement	1300 x 2500 x 200mm
Reposition Accuracy	0.01mm
X-Y Movement	Taiwan Rack & Pinion Transmission
Z Movement	German Ball Screw
Table Size	1440 x 3040mm
Max Idling Speed	35m/min
Max Cutting Speed	25m/Min
Working Voltage	3 Ø / 380V / 50HZ
Spindle	Water Cooled Spindle 4.5Kw (6HP)
Spindle Rotating Speed	0-24000 RPM
Drive Motor	Servo
Command	G Code (*.mmg, *.plt, *.tap)
Computer Interface	USB
Controls	NK-105 / NC Studio
Collet Size	6mm, 8mm, 12mm
Work Piece Holding	Manual T Slot Clamping
Water Tank	Yes
Auto Water Cooling System	Yes

*Specifications are subjected to change without notice.

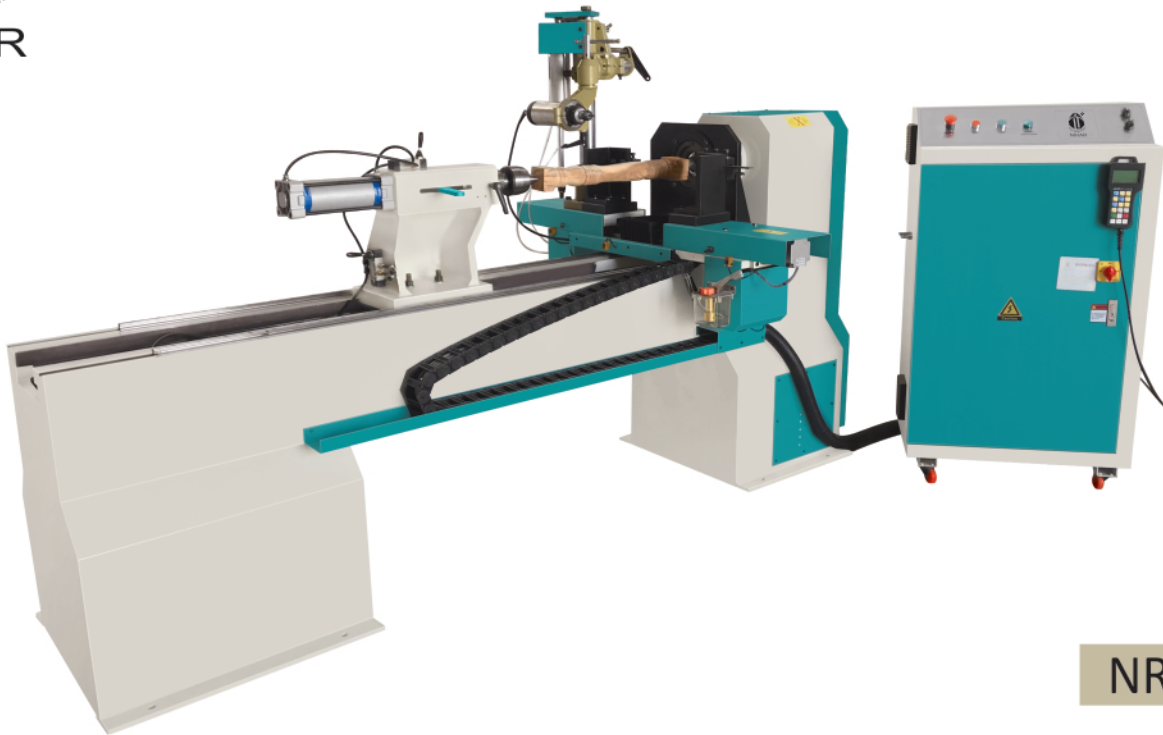
Salient Features

- Whole machine is welded with thick seamless steel structure and heaving loading lathe body; Processed by high temperature tempering treatment and vibration stress relief (VSR) to reduce residual stress; Ensure that the stability is excellent, not easy to be deformed.
- Three axes adopt Taiwan imported HIWIN 20 big square guiding rail; X and Y axes adopt rack and pinion transmission, fast working, high efficiency and low cost. Z axis adopts Germany imported ball screw, with high precision and long life time.
- NK105 control system which with USB connection operated with the handle, convenient operation.
- Adopt water tank and automatic water cooling system, to make sure the machine can work on kinds of stone.
- Has the function of re-carving after break point and power failure. has the function of forecasting process time.
- Perfect oil-injection system makes the maintenance more convenient.

Application

- Stone, Marble, Granite, Artificial Stone
- Wood, Plastic, MDF, HDF, PVC, Acrylic, Aluminum
- Composite Panel
- Light Material Like Aluminum, Brass and Copper





NR - 147

Technical Specification

Description	NR - 147
Working Job Size (Max.)	Dia 300 mm x 1500 mm
Working Job Size (Min.)	Dia 20 mm x 200 mm
Repositioning Accuracy	±0.05 mm
X-Y Movement	Taiwan Rack & Pinion Transmission
Z Movement	German Rolling Ball Screw
Working Voltage	3Ø / 380 V / 50 Hz
Motor Power	4KW (Variable Speed 0-3500 RPM)
Spindle Power	2.2 KW AIR Cooled (0-18000 RPM)
Working Speed	4000 mm/min
Drive Motor	Stepper
Command	G Code (*.mmg, *.tap, *.plt)
Computer Interface	USB
Controls	NK 105
Collat Size	6 mm, 8 mm, 12 mm
Computer Interface	Turning /Cylindrical Surface Carving/ Flat Surface Carving

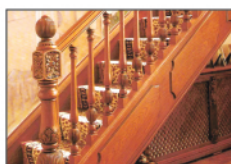
*Specifications are subjected to change without notice.

Salient Features

- Thick-walled seamless welded square steel lathe bed, after vibration aging to stress and dust-free sandblasting surface treatment technology, eliminating internal stress rigidity is strong durable, long-term use of deformation.
- NK105 control system which with USB connection operated with the handle, convenient operation.
- Spindle Engine is Italy HSD air-cooling 4.5KW spindle with maximum speed with 18000rpm.
- Has the function of re-carving after break point and power failure and forecasting process time.
- Perfect oil-inject system makes maintenance much easier.

Application

Staircase column, Chairs legs, Cylindrical, Conical carving, Flat surface carving.



LASER ENGRAVING



NR - 135 A

NR - 135



NR - 135 B

Technical Specification

Description	NR - 135 A	NR - 135 B
Working Area	1300 mm x 900 mm	1300 mm x 2500 mm
Speed	<=600 mm/Sec	<=600 mm/Sec
Speed Controlling	1-100% with Interrupted	1-100% with Interrupted
Cooling Mode	Water Cooling	Water Cooling
Resolution	0.025 mm	0.025 mm
Smallest Character Engraving	English 1 mm	English 1 mm
Accuracy of Repositioning	±0.01 mm	±0.01 mm
Voltage	AC 220V, 5A, 50Hz	AC 220V, 5A, 50Hz
Total Power	1500W	2000W
Supported Graphic Format	BMP PLT DST AI DXF	BMP PLT DST AI DXF
Cooling System	Forced Water Cooling and Protection System	Forced Water Cooling and Protection System
Drive Mode	Stepper Motor	Stepper Motor
Laser Tube Power	100W	150W
Operating Temperature	0 Deg C to 45 Deg C	0 Deg C to 45 Deg C
Laser Type	5% to 95%	Sealed – Off Co2 Laser
Operating Humidity	5% to 95% Non Condensing	5% to 95% Non Condensing

*Specifications are subjected to change without notice.

Application

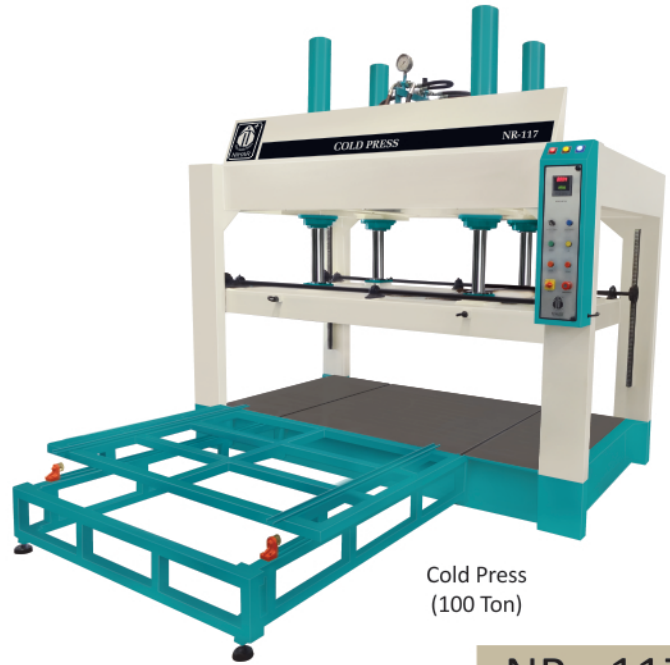
Acrylic, Organic Glass, Wood Planks (Light planks), Bamboo Ware, Double-Color Boards, Paper, Leather, Shells, Coconut Shells, ABS Boards, Lamp Shade, Etc...



Cold Press
(50 Ton)

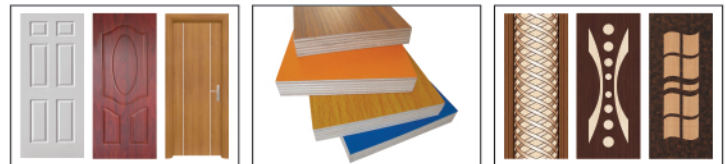


Cold Press
(100 Ton)



NR - 117

Cold Press
(150 Ton)



Technical Specification

Description	Unit	NR-117			
Capacity	Ton	50	100	150	280
Platen Size	mm	2500 x 1300	2500 x 1300	2500 x 1300	2500 x 1300
Max Opening	mm	1000	1000	1000	1000
No of cylinders	Nos	2	4	6	8
Ram Stroke	mm	900	900	500	500
Automatic Power Pack & Panel	HP	5	5	7.5	7.5

*Specifications are subjected to change without notice.

Salient Features

- Top and bottom platen designed to generate and handle uniform pressure.
- Robust & heavy duty structure.
- Auto pressure control system to maintain pressure within limit through out pressing cycle.
- Operation cycle timer.
- Manual and auto system.
- Motor protection circuit breaker for motor overload protection.
- Emergency Stop Arrangement.

Optional Features

- Platen size can be customized as per requirement.



NR - 113

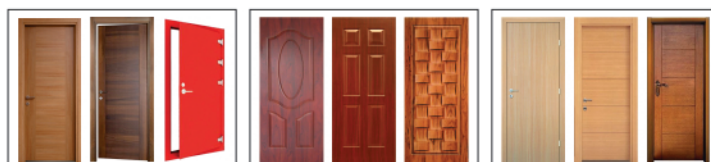
Technical Specification

Description	NR-113	
Capacity	120 Ton	120 Ton
No of Platen	2 Platen (Single Layer)	3 Platen (Two Layer)
Platen Size	2500 x 1300 x 42 mm +/-0.2 mm	2500 x 1300 x 42 mm +/-0.2 mm
Daylight Gap	380 mm	170 mm
Nos. of Cylinder	6 (Six)	6 (Six)
Diameter of Ram	85 mm	85 mm
Stroke of Ram	400 mm	400 mm
Heating Medium	Thermic Oil	Thermic Oil
Hydraulic Power	2.25 KW	2.25 KW
Heating Power	18 KW	28 KW
Circulating Pump Power	0.75 KW	0.75 KW
Total Power Required	21 KW	31 KW

*Specifications are subjected to change without notice.

Salient Features

- Heavy duty high quality fabricated steel structure.
- Leak proof hydraulic cylinder.
- Hard chrome plated rams.
- Equal heating in all daylights.
- Accurate welded and machined for minimum deflection.
- Heavy duty **german power pack**.
- Maintenance free hydraulic systems.
- **Siemence PLC control**.
- **Italian Circulating pump**.





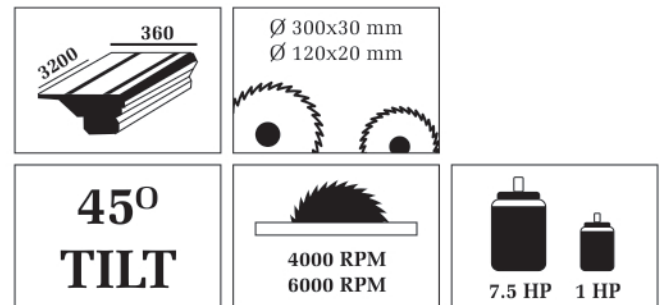
NR - 124

Pneumatic Job Holding Provision

Technical Specification

Description	Unit	NR - 124
Sliding Table Size (L x W)	mm	3200 x 360
Rip Capacity / Cutting Width	mm	1250
Main Saw Section		
Saw Blade Diameter	mm	300 (250-350)
Shaft Diameter	mm	30
Tilting of Saw Blade	Degree	90° - 45°
Max. Cutting Depth at 90°	mm	80
Max Cutting Depth at 45°	mm	55
Speed of Saw Blade	RPM	4000/6000
Saw Blade Motor	HP	7.5
Scoring Saw Section		
Scoring Saw Blade Diameter	mm	120
Shaft of Scoring Saw	mm	20
Speed of Scoring Blade	RPM	8000
Scoring Blade Motor	HP	1

*Specifications are subjected to change without notice.

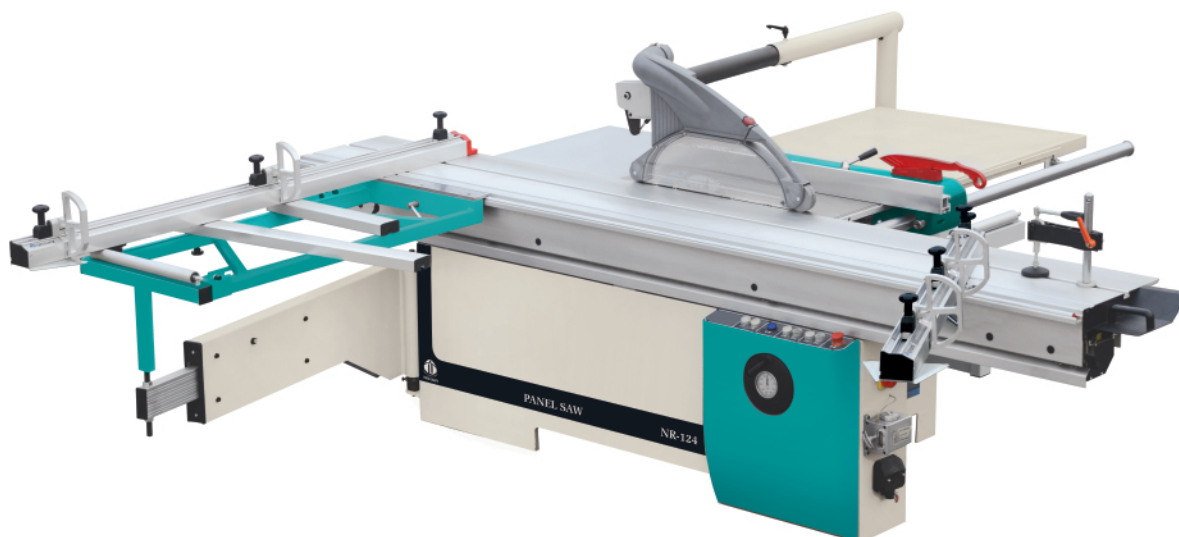


Salient Features

- Apply to processing all kinds of density boards, shaving boards, wood-based panels, ABS panels, PVC panels, organic glass plates and solid wood and others with wood structure and similar hardness.
- Movable table guide track is plating chromium steel balls structure, exact and durable.
- Made of high-strength extruded aluminum alloy, movable table is high in strength and wont bend
- With oxidation treatment, movable table surface is beautiful and hardwearing.
- Tilt angles of main and scoring saw blades are displayed directly by precision inclinometer.

Optional

- Pneumatic job holding provision

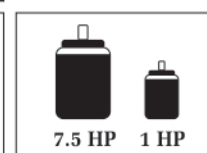
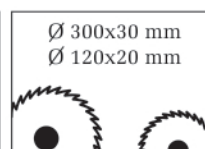
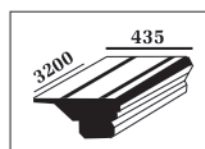


NR - 124-A

Technical Specification

Description	Unit	NR - 124-A
Sliding Table Size (L x W)	mm	3200 x 435
Rip Capacity / Cutting Width	mm	1250
Main Saw Section		
Saw Blade Diameter	mm	300 (250-350)
Shaft Diameter	mm	30
Tilting of Saw Blade	Degree	90° - 45°
Max. Cutting Depth at 90°	mm	75
Max Cutting Depth at 45°	mm	51.5
Speed of Saw Blade	RPM	4000/6000
Saw Blade Motor	HP	7.5
Scoring Saw Section		
Scoring Saw Blade Diameter	mm	120
Shaft of Scoring Saw	mm	20
Speed of Scoring Blade	RPM	8000
Scoring Blade Motor	HP	1

*Specifications are subjected to change without notice.



Salient Features

- Apply to processing all kinds of density boards, shaving boards, wood-based panels, ABS panels, PVC panels, organic glass plates and solid wood and others with wood structure and similar hardness.
- Movable table guide track is plating chromium steel balls structure, exact and durable.
- Made of high-strength extruded aluminum alloy, movable table is high in strength and wont bend
- With oxidation treatment, movable table surface is beautiful and hardwearing.
- Tilt angles of main and scoring saw blades are displayed directly by precision inclinometer.

Technical Specification

Description	Unit	NR - 151
Table Size	mm	1200 x 920
Work piece Thickness	mm	10 - 60
Band Thickness	mm	0.5-3
Glue Pot Capacity	Kg	Approx 3
Heating Power	KW	3
Motor Power	HP	1
Feeding Speed	m/min	5-10
Band Cutting Control	-	Foot Switch / Limit Switch
Air Pressure Required	Kg/ Cm ²	5-7
Band Coil Diameter	mm	525

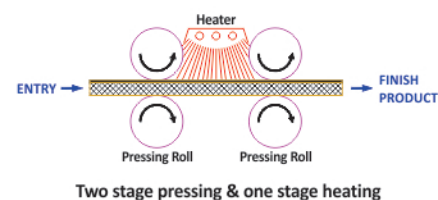
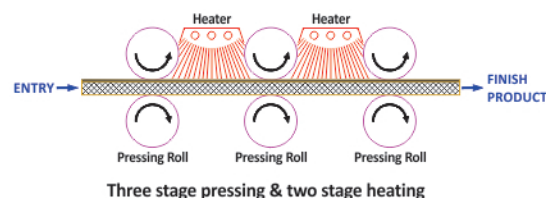
*Specifications are subjected to change without notice.



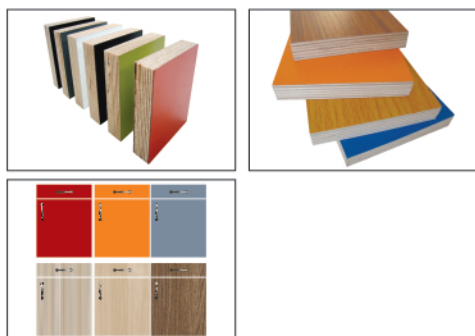
NR - 151



ROLLER PRESS



NR - 142



Technical Specification

Description	NR - 142 (6R)	NR - 142 (4R)
Board Width (Max.)	1250mm	1250mm
Board Thickness (Max.)	75mm	75mm
Heating Power Required	7.5 KW	3.75 KW
Drive Motor	1 HP	1 HP
Electrical Connection Req.	3Ø,50Hz	3Ø,50Hz
Air Pressure Required	5-7Kg	5-7Kg

*Specifications are subjected to change without notice.

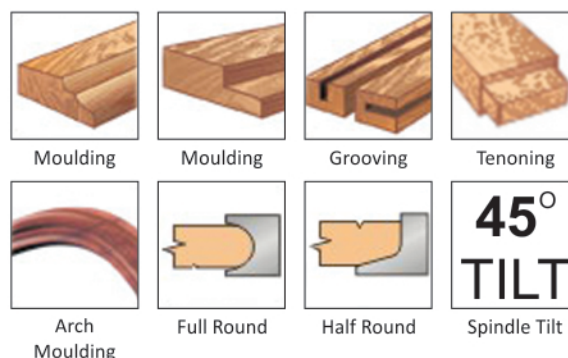
Salient Features

- Hard rubber roller.
- **Three stage pressing & two stage heating** to ensure perfect bonding of laminate to board.
- Variable frequency drive to adjust different speed of roller.
- Digital temperature controller.

SPINDLE MOULDER



NR - 169



Technical Specification

Description	NR - 169
Fix Table Size	865 mm x 548 mm
Sliding Table Size	1300 mm x 315 mm
Spindle Dia.	30 mm
Spindle Speed	5000/7000/9000 RPM
Spindle Tilt	45°
Spindle Movement	100 mm
Max Molding Block Width	100 mm
Dust Collecting pot Dia.	100 mm
Power	5 HP

*Specifications are subjected to change without notice.

Salient Features

- A side ripfence of alluminum which is adjustable.
- Clamping for tenoning work.
- Ground & electronically balanced spindle for vibration free operation.
- Easy and convenient system for locking of spindle shaft.
- Spindle driven by motors through V - belts and are housed in sealed bearings; thus ensuring minimum maintenance.
- 3 - spindle speeds 5000 / 7000 / 9000 RPM for selection depending on tool diameter.
- Dust chute is provided on fence assembly for dust evacuation.
- It is advised that 9000 RPM speed be utilized for routing work only.

FEEDER

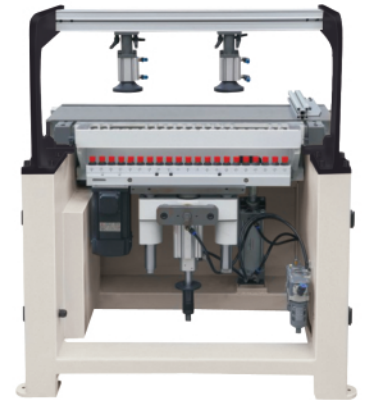
1 HP (0.75 Kw) 3 Phase.
Equipped with Variable Speed (50Hz) 2~17 M/min

Feeder can be used with

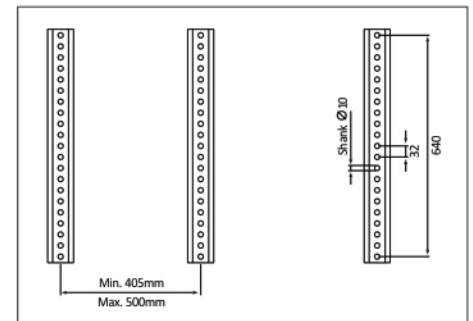
- Spindle Moulder.
- Edge Bander.

For smooth & safe working.





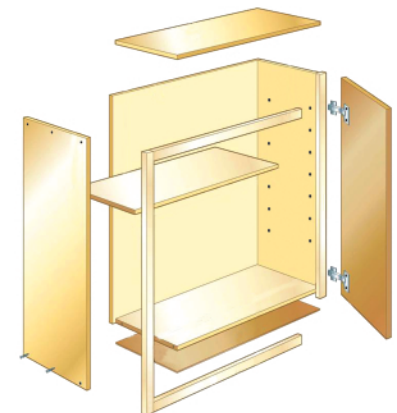
NR - 153



Technical Specification

Description	Single Raw	Double Raw
Maximum Thickness	80 mm	70 mm
Maximum Size of Job	2000 mm x 640 mm	2000 mm x 640 mm
Number of Spindle Head	1 Nos	2 Nos
Number of Spindles Per Head	21 Nos	21 Nos
Total Spindles	21 Nos (21 x 1)	42 Nos (21+ 21)
Centre Distance Between Each Spindle	32 mm	32 mm
Centre Distance Between First and Last Spindle	640 mm	640 mm
Minimum Centre Distance Between Two Vertical Head	-	405 mm
Maximum Centre Distance between Two Vertical Head	-	500 mm
Shank Diameter of Drill	10 mm	10 mm
Spindle Rotation Speed	2800 RPM	2800 RPM
Maximum Drilling Diameter	32 mm	32 mm
Drilling Depth	0-50 mm	0-50 mm
Compressed Air Required	6-8 kg/cm ²	6-8 kg/cm ²
Total Power	1.5 KW / 415V / 50 HZ	3 KW / 415V / 50 HZ

*Specifications are subjected to change without notice.



Salient features

- Easy and quick changing of drills.
- Pneumatic clamping arrangement.
- Locking system of spindle shaft.
- Rigid and heavy duty frame to holding boring heads.
- Anti wear materials for sliding parts.

MULTI-BORING

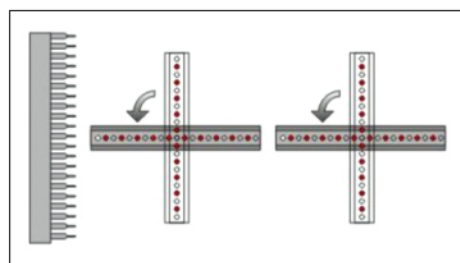
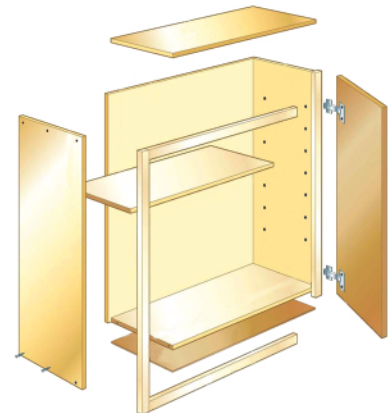
NR - 153



Technical Specification

Description	NR - 153
Max. Width of Work Piece (X Direction)	1850 mm
Max. Distance of Two Horizontal Boring Position	640 mm
Min. Distance of Vertical Drilling Group	128 mm
Max. Thickness of Work Piece	78 mm
Max. Depth of Horizontal Boring Head	40 mm
Max. Depth of Vertical Boring Head	70 mm
Rotating Speed of Boring Spindles	2800 RPM (50Hz)
Vertical Boring Power	1.5 KW + 1.5 KW
Horizontal Boring Power	1.5 KW
Working Pressure	0.6-0.8 Mpa
Power	4.5 KW / 415V / 50 Hz

*Specifications are subjected to change without notice.

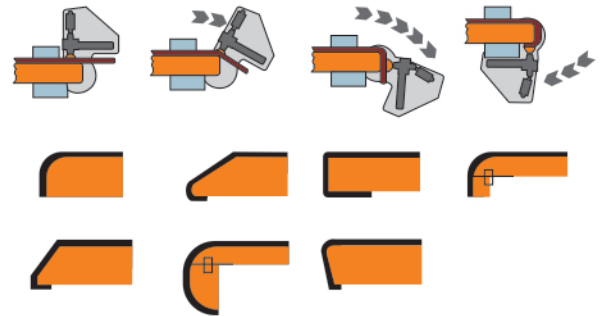


Rotation Field



Precise

Drilling strike is accurately displayed on digital LED display



Technical Specification

Description	Unit	NR - 149
Max Job Length	mm	2440
Min. Job Length	mm	300
Job Thickness Range	mm	16-125
Min. Job Width	mm	150
Max Heating Temp	c	200
Compressed Air Requirement	Kg-cm2	7
Heating Element	KW	3
Electric Motor - 3Phase	HP	0.5

*Specifications are subjected to change without notice.

Salient Features

- Automatic Post forming cycle.
- Pneumatic cylinders to apply uniform pressure on job for effective bonding of Laminates.
- Facility for manual and Automatic
- Hard chrome plated heater bar for smooth operation and long life.
- Mechanical drive control.
- Drive motor with brake is provided to avoid slippage of rotary part.

NR - 149

DUST COLLECTOR

NR - 131



Technical Specification

Description	Unit	NR - 131 A	NR - 131 B	NR - 131 C
Motor 3Ø	HP	3	5	7.5
Suction Capacity	CFM/M ³ Per Hr	1800/3000	2700/4500	3500/5900
Inlet	Nos	2 or 3	2 or 3	2 or 3
Inlet Dia	mm	100	100	100
Bag Dia x Length	mm	450 x 900	450 x 900	450 x 900

*Specifications are subjected to change without notice.

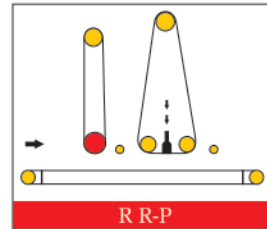
Salient Features

- Robust And Heavy Duty Structure.
- Statically & Dynamically Balanced Impeller.
- Wheels are provided for Easy Movement of Dust Collector.

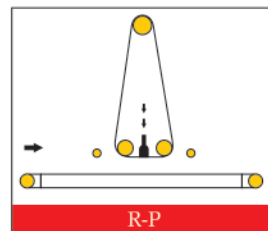
Application

- Used to remove saw dust generating at operating area of wood working industries.

WIDE BELT SANDER



NR - 133

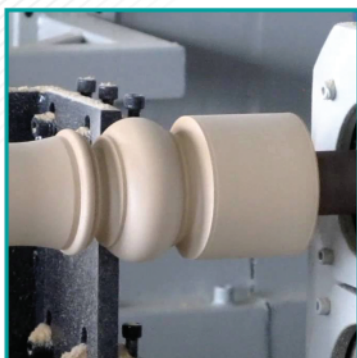
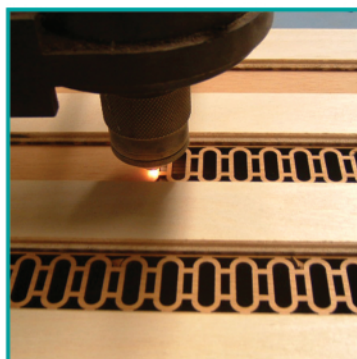
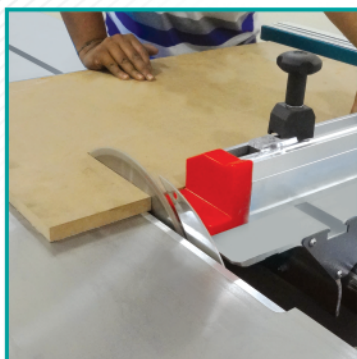


Technical Specification

Description	Single Head	Double Head
Calibrating Roller Diameter (Steel)	-	240 mm
Sanding Roller Diameter	210 mm	210 mm
Working Width	40 mm-1300 mm	40 mm-1300 mm
Working Thickness	2.5 mm to 150 mm	2.5 mm to 150 mm
Feeding Speed	0-19 m/min	0-19 m/min
Calibrating Belt Speed	-	24 m/sec
Sanding Belt Speed	18m/sec	18 m/sec
Belt Size	1330 x 2200 mm	1330 x 2200 mm
Total Power	22.75 Kw	52.75 Kw
Calibrating Belt Motor Power	-	30 Kw
Sanding Belt Motor power	18.75 Kw	18.75 Kw
Feeding Motor Power	3 Kw	3 Kw
Up / Down Motor Power	0.75 Kw	0.75 Kw
Brush Motor	0.25 Kw	0.25 Kw

*Specifications are subjected to change without notice.





Nihar Industries

Manufacturer & Exporter of Wood Working Machineries & Spares

An ISO 9001 : 2015 Certified Company

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