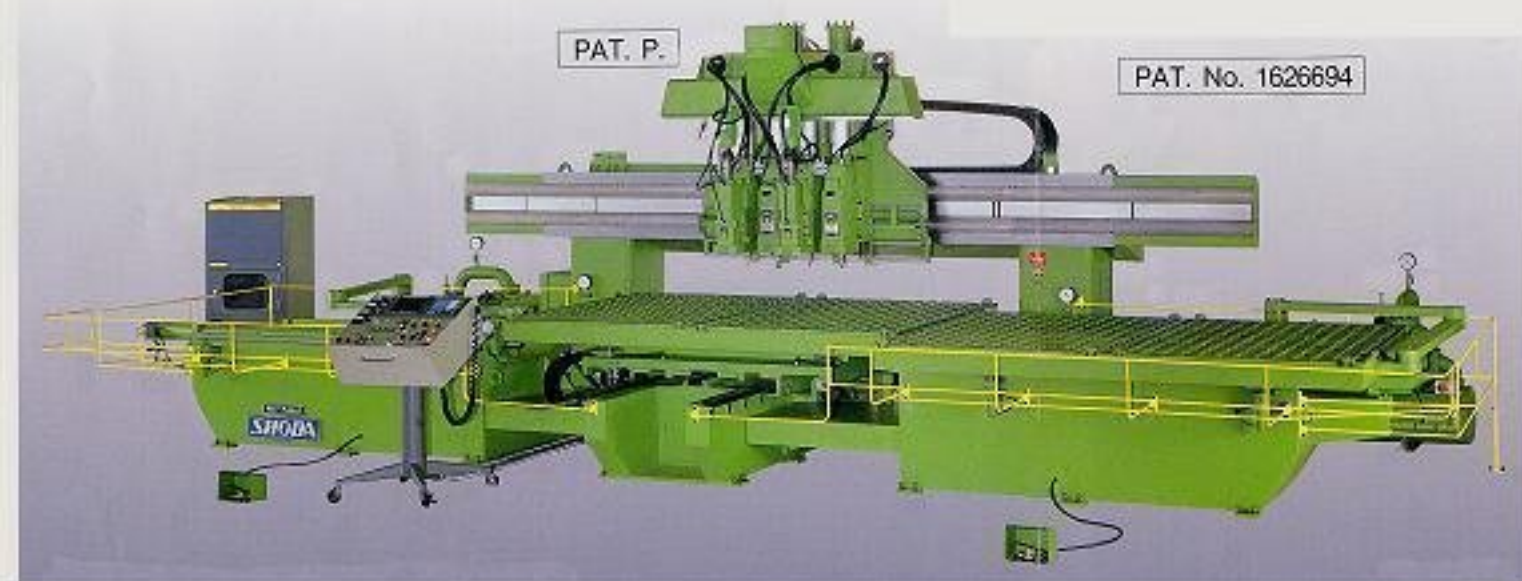


NC-516P PALLET CHANGER TYPE NC ROUTER MACHINE



High-production machine

A high-efficiency machine that cuts the idle time to the minimum.
Pallet tables can be changed on 3 seconds.

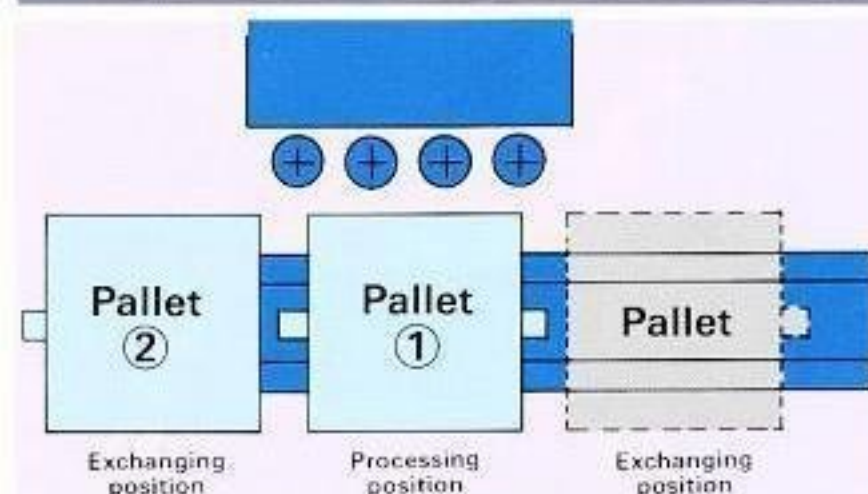


■ NC-516P Specifications: NC Router machine pallets changer type

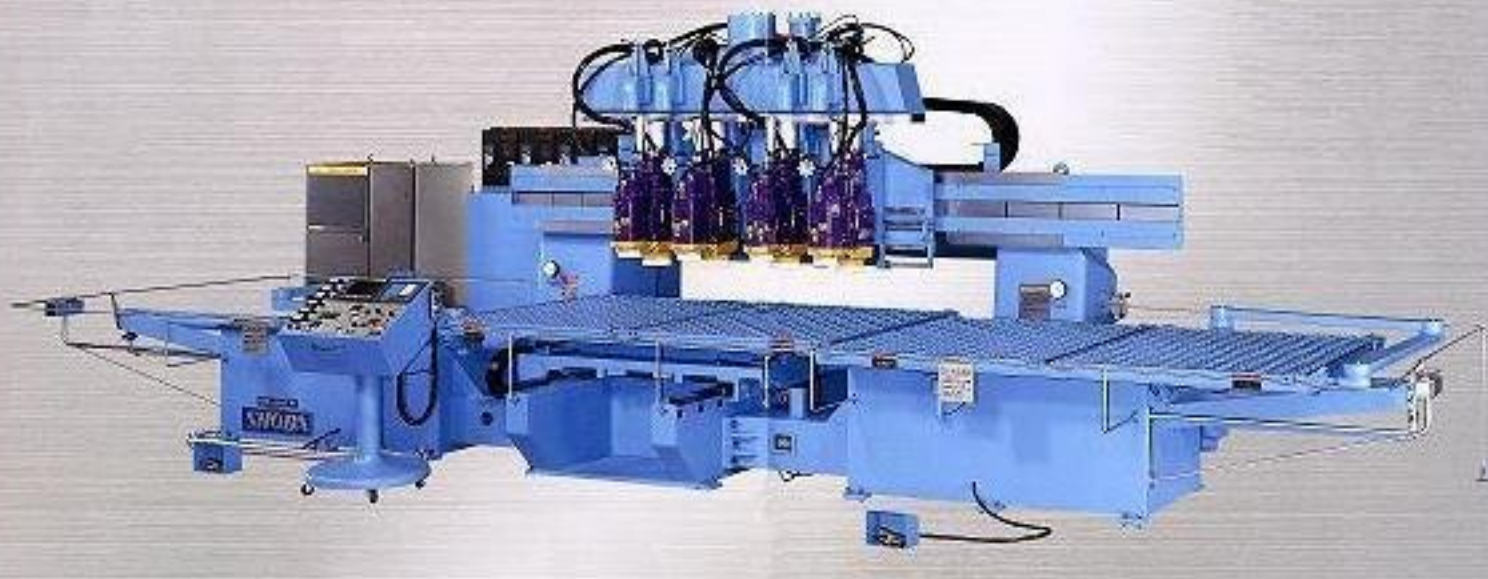
Stroke	X (table movement) Y (head left & right movement) Z (head up & down movement)	1,600 (63) 3,200 (126) 250 (9.8)
Table area		1,600 × 2,600 (63 × 102) 2 units
Head construction	No. 1 spindle for routing and profiling	12 kW (2P) 3,000 ~ 18,000 r.p.m. High frequency motor with an inverter. Collet chuck
	No. 2 spindle for routing and profiling	12 kW (2P) 3,000 ~ 18,000 r.p.m. High frequency motor with an inverter. Collet chuck
	No. 3 spindle for routing and profiling	12 kW (2P) 3,000 ~ 18,000 r.p.m. High frequency motor with an inverter. Collet chuck
	No. 4 spindle for routing and profiling	12 kW (2P) 3,000 ~ 18,000 r.p.m. High frequency motor with an inverter. Collet chuck
	No. 5 boring head	0.7 kW (2P), 3,450 r.p.m. Single spindle (No. 1 spindle: piggyback)
	No. 6 boring head	0.7 kW (2P), 3,450 r.p.m. Single spindle (No. 3 spindle: piggyback)

Unit: mm (inch)

Spindle lubricating system	Micro-fog lubrication system
Feeding speed	Max. 24,000 mm/min
Blower	7.5 kW × 2 units
Overall dimensions (Width × Depth × Height)	8,620 × 3,700 × 2,700 (339 × 146 × 106)
NC system	SHODA FANUC 3 axis control/simultaneous 3 axis control



Travel time of the pallet is approximately three seconds.



Super NC Router with a Pallet Changer **NC-516P-2126 SUPER**

Shoda Super Machine features 30,000RPM Heads with Ceramic Bearings. Maximum cutting feed rate is 40m (1575") per minute and rapid traverse is 60m (2400") per minute. It's now available in a pallet changer design.

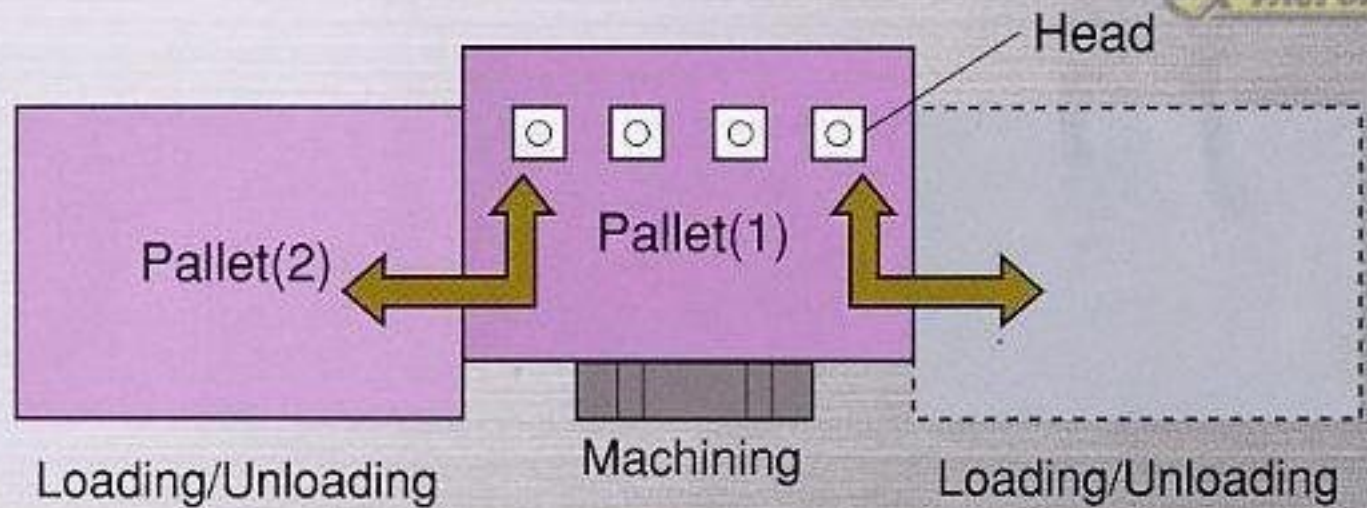
Two pallet tablets can be used alternately. Workpiece can be loaded/unloaded on one while the other is engaged. This reduces work setting time to zero, allowing uninterrupted operation.

■ Specifications

(unit: mm)

Model	NC-516P-2126	
Stroke	X-axis	2,100 (6.9')
	Y-axis	2,600 (8.5')
	Z-axis	250 (9.8")
Table	Size	1,600×2,600 (5.2'×8.5')×2pcs.
Head	No. 1~4	Router 12KW, 3,000~30,000rpm, Collet Max. ϕ 16 (5/8")
	No. 11~14	P.B. Router 3.5KW, 3,000~18,000rpm, Collet Max. ϕ 16 (5/8")
Head Pitch		Variable (240~650) (9.4"~25.6")
Rapid traverse		60,000mm/min. (1575 IPM)
Cutting speed		40,000mm/min. (2400 IPM)
Blower		7.5KW ×2 Required
NC system		SHODA-FANUC
Dimensions	WXDXH	8,940×4,470×3040 (29.3'×14.7'×10')

NOTE: Specifications and designs are subject to change without notice to improve product performance.



SHODA Original Pallet Change System

HEAD OPTIONS

SHODA
EXPERIENCE

Shoda's standard NC routers come with 4 parallel heads, but heads can be added or deleted according to your requirement. Different head configurations are more effective for batch production and other configurations work best for just-in-time kit production, or dynamic nesting of parts from full sheets. The following pages show some of the large variety of heads that are available optimize your production.

Router



Router 30,000rpm



Tornado Dust Hood



Piggyback Router 30,000rpm



Piggyback Router



NC Tilting Router
(± 45 deg.)



Horizontal Double Ended Router
(0 - 90 or 180 deg.)



Manual Tilting Router
(0 - 90 deg.)

Router (Quick Change Type)



BT30 Router with BT20 Piggyback Router



ATC



Front Type ATC (10 tools)



Quick Arm Type ATC (8 Tools)

Special



Floating Head



Servo Head Spacing



Thickness Sensor(Center)



Mortise



V-Groove



NC Router with A.H.C.(Auto Head Changer)



Boring



5-Spindle Horizontal Double Ended Boring (0 - 90 deg. Rotation)



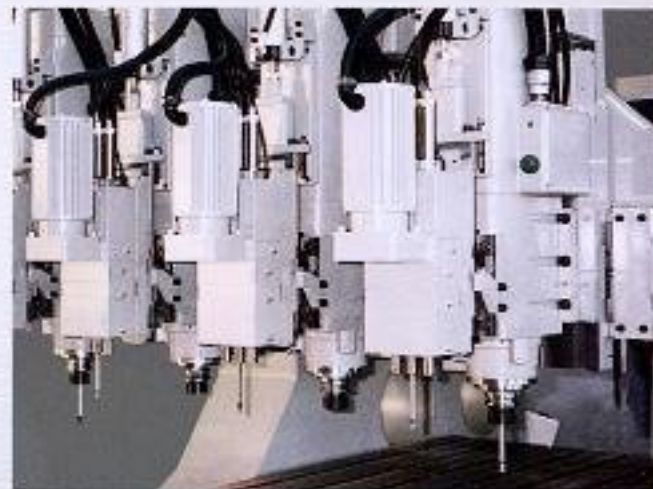
Piggyback Single Spindle Boring



20-Spindle Gang Boring



4-Direction Horizontal Boring (0 - 90 deg. Rotation)



Piggyback 3-Spindle Independent Boring



L-shaped 11-Spindle Independent Boring



L-shaped 21-Spindle Independent Boring with Detachable Horizontal Boring Unit



NC 360 deg. Rotation ATC (8/16 tools)



0-90 deg. Rotation ATC (8/16 tools)



Aggregate Saw Unit



Aggregate Horizontal Boring Unit



Aggregate Boring Unit



Planer/V-groove Cutter ATC (4 tools)

Saw



Center Saw (0, 90, 180, 270deg. Rotation)



Saw (0 - 90 deg. Rotation)

Planer



Planer (0 - 90 deg. Rotation)



Planer (NC 360 deg. Rotation)

Table & Fixture



NC Controlled Lathe Attachment



Pop-up Table



Locator Pins
0 - 90 deg. Rotation



Pop-up Table with Conveyor



Pop-up Pin Table



Pod Table



Work Air Clamp