

Instructions

Pneumatic Digital Cutting Tool base/Carrier

NAMICAM Pneumatic up-down Tool Carrier has very compact design and light weight to be attached on CNC Router Machine, there is no need of extra Z motor. It has standard diameter 40mm tool shaft holder and flexible to combine a wide range of common cutting tools. NAMCIAM's standrd models below and customization is available.



Model : DC91148
Up-down Stroke: 75mm
Right-side Motor Mounting



Model : DC91142
Up-down Stroke: 75mm
Left-side Motor Mounting



Model : DC91156
Up-down Stroke: 150mm
Right-side Motor Mounting



Model : DC91164
Up-down Stroke: 150mm
Left-side Motor Mounting



Model : DC91163
Up-down Stroke: 75mm
Dual Tool Base

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Rotating(R) Axis Motor Required 57 Hybrid servo motor & driver



JMC Nema-23 57 mm Hybrid-Servo-Kits 57J1854EC-1000-LS+2HSS57-N

100W Servo system



100W Delta Servo Kits ASD-B2-0121-B + ECMA-C20401GS

Pneumatic Solenoid valve Required

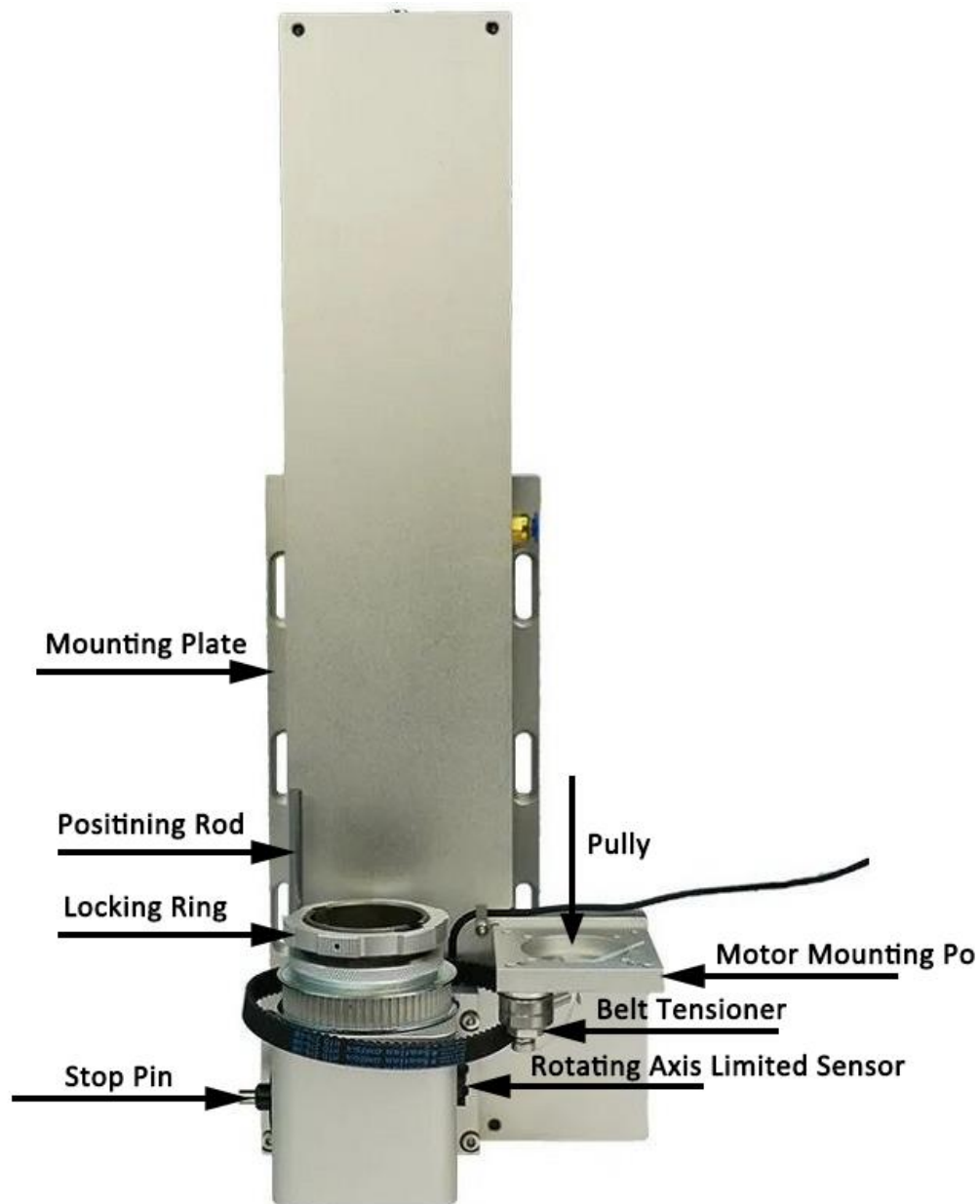


AirTac - Solenoid valve - PT 1/4 - 4V210-08 - DC24V

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Component Instruction



Positioning Rod: For fixing the pin on cutting tool to prevent any rotation of tool's upper part along with tool barrel.

Locking Ring: Tighten this ring for fixing the cutting tool

Stop Pin: Press down the stop pin while tighten the locking ring, to prevent the tool barrel rotation.

Pully: For rotating axis motor

Mounting Po: To mounting the motor for cutting tool rotation **Rotating(R) Axis Motor**

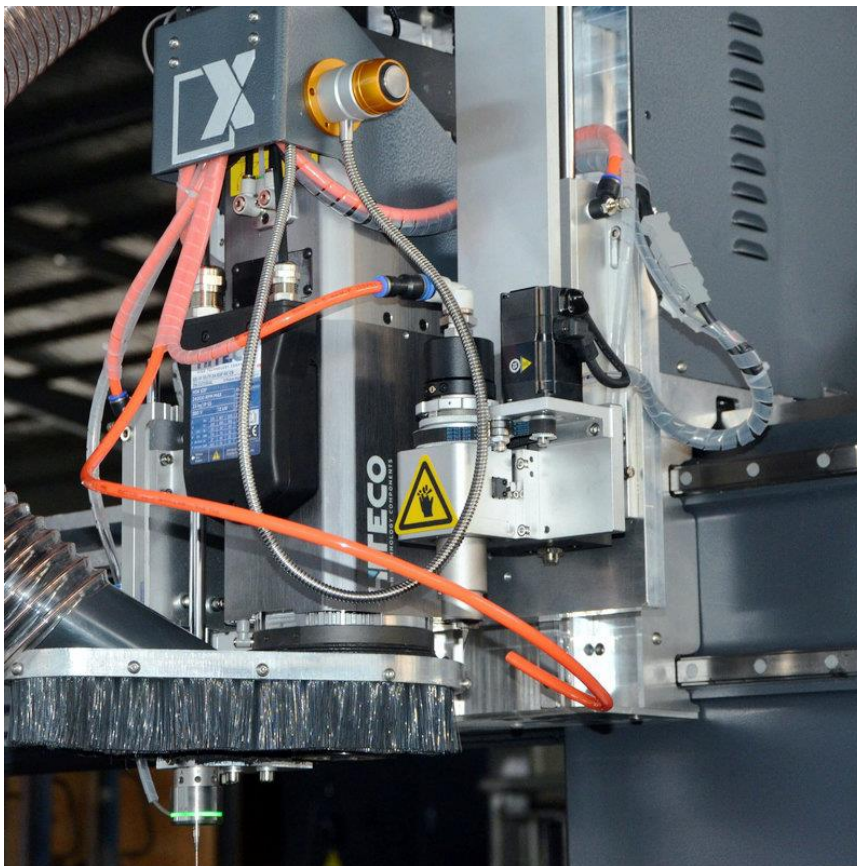
Belt Tensioner: For adjusting the tension of belt.

Rotating Axis Limited Sensor : Controlling the cutting tool rotation angle.

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Mounting Look

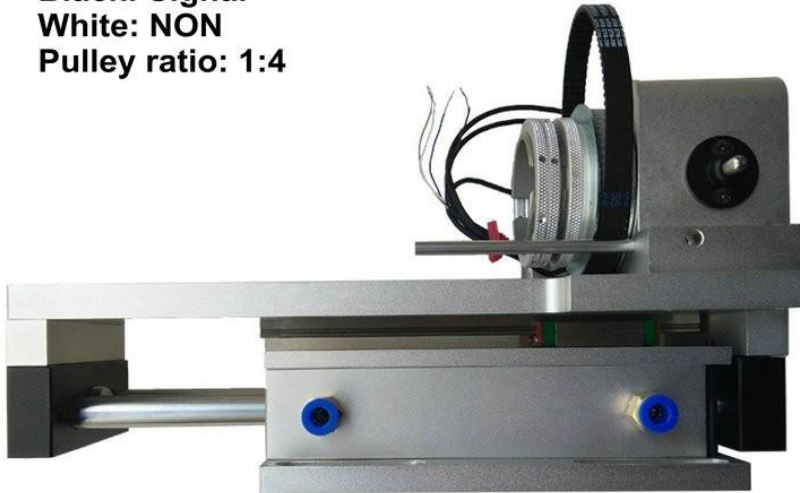


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Operation and Debugging

Brown: DC24V+
Blue: DC24V-
Black: Signal
White: NON
Pulley ratio: 1:4



- Pulley ratio 1:4

- Limited Sensor Output
Default Output: NPN NO

- Locking Ring
Use the locking ring to fix the cutting tool.

- Stop Pin
Press down the stop pin and rotate the tool barrel (pulley) at the same time, till the stop pin insert the hole, now the stop pin blocks the tool barrel, use the wrench to lose the locking ring or lose it manually.

Note

- Please make sure correct wiring before power on.
- Please wire by shielded cable to prevent interference.