

CNC Automatic Pallet Changers

Our Product Introduction

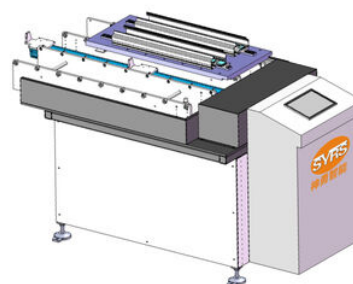
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Basic Information

- Minimum Order Quantity: 1

CNC Machining Center External Exchange Workbench

Automatic dual station automatic loading and unloading



Product Specification

- Product Features:
 1. The Internal Positioning Locking Fixture Adopts Pneumatic Zero Point Positioning, With A Repetition Accuracy Of Within 0.005mm. It Is Locked When The Air Is Cut Off And Opened When The Air Is Ventilated, With A Locking Force Of 3 Tons;
 2. The Tray Adopt
- The Automatic Tray Changer Includes:
 1. Series 16A, 227 Kg Capacity (evenly Distributed Weight) Pneumatic Blower Receiver.
 2. 22 Inch X 14 Inch X 1 Inch (558.8 Mm X 355.6 Mm X 25.4mm Mm) End Loaded Cast Aluminum Tray.
 - 1 Series 16 End Loading Shuttle Unit With Automatic Doors And Indicator Lig
- Product Features:
 - When The Spare Tray Is In The Machine, Load, Unload, Inspect Parts, And Set Up

Product Description

Shenyong Intelligent CNC Automatic Dual Station Pallet Changers

Transform your machining center into a dual workbench in seconds, significantly reducing downtime with Shenyong's Intelligent CNC Automatic Dual Station Pallet Changers. This innovative solution optimizes your machining processes for increased efficiency and productivity.

Key Benefits:

Increased Spindle Rotation Rate: Boost your machine tool's spindle rotation rate from 50% to over 90%.

Multi-Machine Operation: Enable a single operator to manage multiple machines (6 or more) simultaneously.

Reduced Downtime: Minimize downtime by transforming your machining center into a dual workbench.

Enhanced Productivity: Improve overall productivity with faster setup times and continuous operation.

Target Industries and Applications: Ideal for manufacturing facilities, automotive, aerospace, and any industry requiring high-volume, precision machining.

Product Attributes

FOB Unit:

Set

Product MOQ:

1

FOB Price:

0

Packaging & Delivery:

Automatic dual station external exchange workbench

Technical Specifications

Internal Positioning Locking Fixture	Pneumatic zero point positioning, repetition accuracy within 0.005mm. Locked when air is cut off, opened when ventilated, with a locking force of 3 tons.
Tray Design	Equidistant positioning hole design, suitable for quick clamping and positioning of various fixture types.

Automatic Tray Changer Includes	Series 16A, 227 kg capacity (evenly distributed weight) pneumatic blower receiver.
Tray Dimensions	22 inch x 14 inch x 1 inch (558.8 mm x 355.6 mm x 25.4mm mm) end loaded cast aluminum tray.
Shuttle Unit	1 series 16 end loading shuttle unit with automatic doors and indicator lights. (Price does not include installation, transportation, handling, and all taxes and fees)

Spare Tray Operation	Load, unload, inspect parts, and set up operations while the spare tray is in the machine.
Setup Time Reduction	Reduced setup time for repetitive tasks by using tools specifically for pallets.
Tray Replacement	Replace the tray in seconds with a repeatability of +/-0.0025 mm.
Pallet Interchangeability	Pallets are easily interchangeable between machines or departments.
CNC Integration	Fully integrated with CNC machine tools through the use of two M-functions.
Workpiece Loading	Heavy/large workpieces are easy to load outside the machine.
Shuttle System Capacity	Single shuttle system with a capacity of up to 3636 kilograms*. Dual shuttle system with a capacity of up to 14528 kilograms*. (*Uniform distribution of part weight)
Emergency Interruption	Work can easily be interrupted due to emergencies.
Productivity Improvement	Improve the productivity of machines and operators.
Control Devices	Equipped with Mitsubishi control devices.

PLC Integration	PLC is fully integrated with the machine.
Tray Operation	When the backup tray is on the machine, the operator sets the next tray. After being ready, the operator presses the "Tray Ready" button (A) and leaves to participate in other activities. When the tray is completed in the machine, the next tray is automatically fed in.
Pallet Acceleration	PLC allows operators to program pallet acceleration and deceleration to optimize performance based on the weight of the fixture.
Receiver Installation	(A) The cast iron receiver is directly installed on the machine tool workbench.
Positioning Pins	(B) Hardening and grinding positioning pins to ensure +/-0.0001 inch (.0025 mm) repeatability.
Chip Removal	(C) Patented "dual air impact" blows air through and across the contact pad to remove the chip.



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