

SMART MACHINE BASE BY PRESIDENT

# WORK SMARTER

PRODUCT  
GUIDE

**BUILT**  
SYSTEMS

SMART MACHINE BASE



# FULLY INTEGRATED MODULAR MACHINE BASE SYSTEM

## MAXIMIZE YOUR PRODUCTION EFFICIENCY

- ✓ Quick changeovers for industrial tool packs
- ✓ Fully integrated controls package for a plug-and-play solution
- ✓ Easy mobility for simple transport as well as floor space savings
- ✓ Variety of size options accommodates custom tool pack sizes
- ✓ Height-adjustability for ergonomic operation

## EACH SMART MACHINE BASE COMES STANDARD WITH

4' Overhead LED Light	Allen Bradley Panelview Plus 7 Touch Screen HMI	12' long, 3/8" diameter pneumatic supply hose with a 210 series male quick disconnect
4" Swivel Phenolic Casters with Wheel Locks	Allen Bradley 5069-L310ERS2 PLC	Integrated electrical enclosure with PLC access door
Anti-vibration machine leveling pads	Five station Aventics valve manifold with (3) two-position valves and (2) three-position valves for basic functionality	Ethernet, power and pneumatic tool connections
12" Operator Fan with rheostat speed control	Aventics 22 series filter/regulator	Tool pack location features
Fully enclosed fork light pockets		

## TOOL WEIGHT CAPACITY

1600 lbs

## STANDARD SIZES

Widths: 36" | 48" | 60" | 72"  
 Depths: 30"  
 Work Height: 30" - 42"

## ADJUSTMENT

12" vertical adjustment at .25" per second

Simple or integrated HMI vertical adjustment

## STABILITY

Rigid cold-rolled steel construction

Anti-vibration mounts with retractable 4" swivel casters

## STANDARD COLORS

- RAL 9003 - Signal White
- RAL 7037 - Dusty Grey
- OB07 - Matte Black

*Custom colors available.*

## ADD-ON OPTIONS

- Desoutter or Atlas Copco Screwdriver System Integration
- 240 VAC, 60Hz
- Overhead Trolley and Tool Balancer
- Handheld Barcode Scanner- Cognex, Honeywell, Keyence
- RFID Badge Reader mounted on side of HMI
- 24" ODS Monitor
- Integrated Light Frame
- Banner LED Lighting

## PRICING

Does not include options \$22,800  
 See quote sheet for more details.

## CUSTOMIZATION AVAILABLE

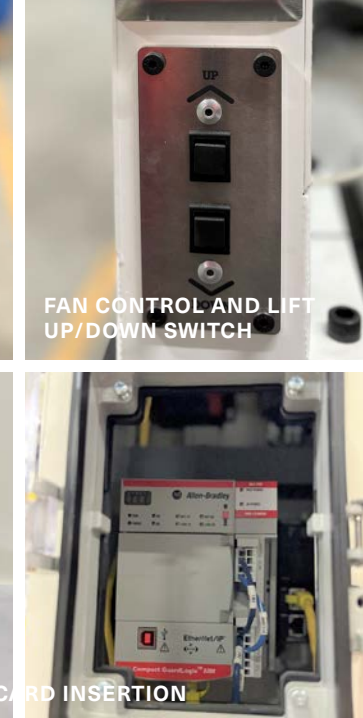
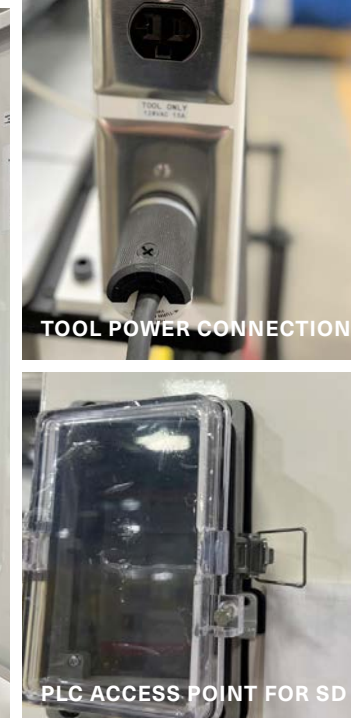
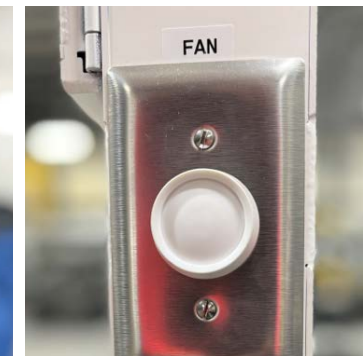
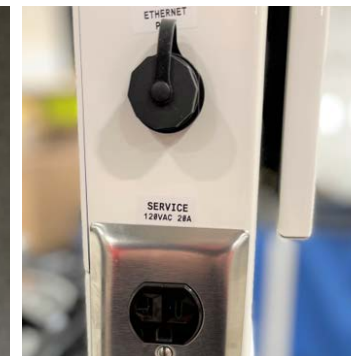
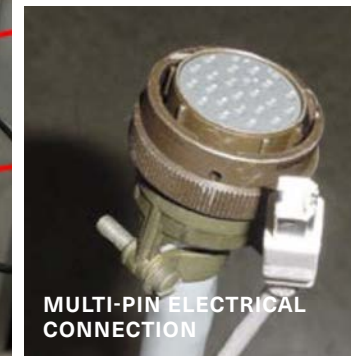
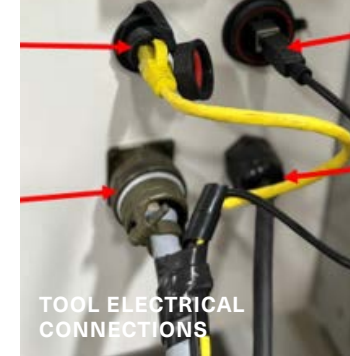
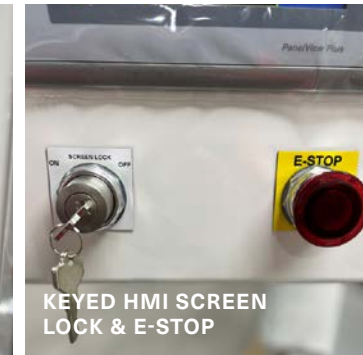
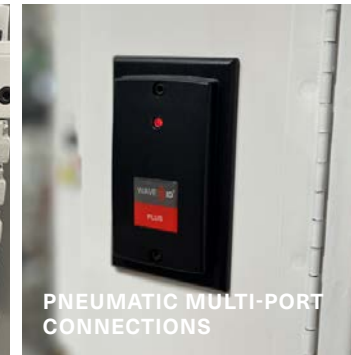
Can be quoted as a custom machine based on volume and requirements.



# TOOL CHANGE PROCEDURE

1. Pick up required tool with the optional tool change cart
2. Load the tool into the Smart Machine Base, moving forward until the vertical location rods come in contact with the locators on the Smart Machine Base
  - Note. SMB stations are set up to load tools from the rear of the station. If front loading is desired the two location features will need to be rotated 180 degrees
3. Once in position, lower the tool until it comes in contact with the support surfaces
4. Lower the forks and remove the tool change cart
5. If applicable connect the following items to complete the tool installation
  - 110VAC twist lock plug for tool power
  - Ethernet connection
  - USB connection
  - Multi-pin connector
  - Multi-port pneumatic connector
6. Remove the SD card from the card holder on the side of the tool pack electrical enclosure
7. Open the access door on the RH tower
8. Place the SD card in the card slot on the PLC
9. Remove lock out / tag out components
10. Turn the main power to the ON position to power up the station
11. Follow the instructions on the HMI
12. When instructed remove the SD card and place back into the card holder

*The station is now ready to run*





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