# Lights Out Production for less than \$10/hr.



## Trinity AX Series

Automated Pallet Systems for Vertical Machining Centers

#### What Does it Cost to Automate with a Trinity AX?

See the Lights Out Production Mathematics below



24 Hours

30 days (Per Month)

720 Hours

(Potential Utilization)

720 Hours 90% (Spindle Utilization)

648 Hours (Monthly Utilization)



\$4,500 (Average Monthly Payment)

648 Hours (Monthly Utilization)



\$7.00/hr Cost to Add Unattended

Production to Your **Existing VMC** with the Trinity **AX Series** 





### Trinity AX Series

Automated Pallet Systems for CNC Machining Centers

Optimize Your Spindle Reduce Your Setup Time Run Unmanned









#### **SPECIFICATIONS**

- · Configurations: AX1-14 / AX1-28
- · Pallet Locations: 14 / 28
- Max Part Size: Ø12" x 9"H / Ø8" x 9"H
- · Robot Capacity: 17 lbs.
- Dimensions: 108"H x 46.7"W x 90"L

### $A \times 2$

#### **SPECIFICATIONS**

- · Configurations: AX2-16 / AX2-24
- · Pallet Locations: 16 / 24
- Max Part Size: Ø16" x 9"H / Ø12" x 9"H
- · Robot Capacity: 55 lbs.
- Dimensions: 115"H x 78"W x 107"L



#### **SPECIFICATIONS**

- Configurations: AX2 duo-24 / AX2 duo-36
- · Pallet Locations: 24 / 36
- Max Part Size: Ø16" x 9"H / Ø12" x 9"H
- · Robot Capacity: 55 lbs.
- Dimensions: 98"H x 80"W x 115"L









#### **SPECIFICATIONS**

- · Configurations: AX4-12 / AX4-18
- Pallet Locations: 12 / 18
- Max Part Size: Ø21.5" x 14"H / Ø21.5" x 8"H
- · Robot Capacity: 160 lbs.
- Dimensions: 115"H x 102.4"W x 141.3"L





#### **SPECIFICATIONS**

- Configurations: AX5 / AX5HD
- · Pallet Locations: 40
- Max Part Size: Ø18" x 12"H
- · Robot Capacity: 75 lbs. / 110 lbs.
- Dimensions: 122"H x 113"W x 116"L

#### **AX SERIES FEATURES**

- 15" touch screen with Trinity AXPM Software
- · Pallet designed for a single clamping module
- · Complete CNC table setup including:
- Integrated Fanuc OEM 220 VAC, 3 phase transformer
- · System crating and preparation for shipment
- CNC Machine integration and auto-door installation
- · System installation and operator training (5 days)

- · Complete CNC table setup including:
  - · Receiver with a single clamping module
  - · Integration onto CNC table
  - · Clamp Confirmation for pallets
  - · Controls package with clamp confirmation detection
  - · Blow offs for contact surfaces