Trinity AX1

Unlock the Potential of Your CNC

AX SERIES

Optimize Your Spindle
Reduce Your Setup Time
Run Unmanned

TRINITY
ROBOTICS AUTOMATION

Trinity AX1

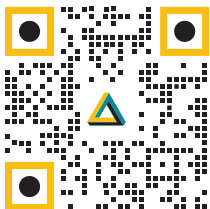*Designed & Built in California*

108"

SPECIFICATIONS

- Configurations: AX1-14 / AX1-28
- Max Part Size: Ø12" x 9"H / Ø8" x 9"H (+ Bonus Ø)
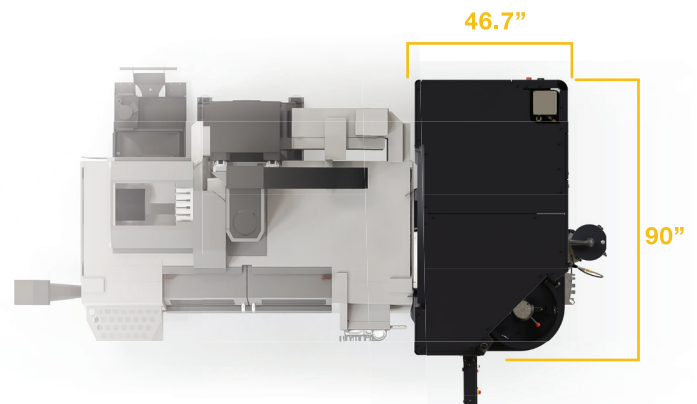- Pallet Locations: 14 / 28
- Robot Capacity: 17 lbs.

FEATURES

- Fanuc M-10iD Robot
- 15" touch screen with Trinity AXPM Software
- Pallet designed for a single clamping module
- * Single pallet operator station with rotating receiver
- 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
- 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)

AX SERIES KEY BENEFITS

- Optimize high mix CNC production
- Decrease set-up time via stored workholding
- Eliminate idle time between part loads
- Increase spindle utilization
- Maximize the floor space of your shop
- Ensure repeatability with smart workholding & software
- Run unmanned night & weekend shifts
- Easy to use interface

46.7"

90"

Scan QR Code to Learn More About the Trinity AX Series
Contact us for current CNC compatibility

Turn your existing CNC Machining Center into an Automated Production System.

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Trinity AX2

Automated Pallet System for
Small/Medium Vertical Machining Centers

Unlock the Potential of Your CNC

AX SERIES

Optimize Your Spindle
Reduce Your Setup Time
Run Unmanned

TRINITY
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Trinity AX2

115"
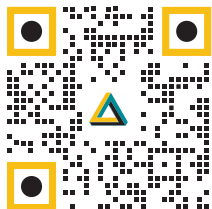
Designed & Built in California

SPECIFICATIONS

- Configurations: AX2-16 / AX2-24
- Max Part Size: Ø16" x 9"H / Ø12" x 9"H (+ Bonus Ø)
- Pallet Locations: 16 / 24
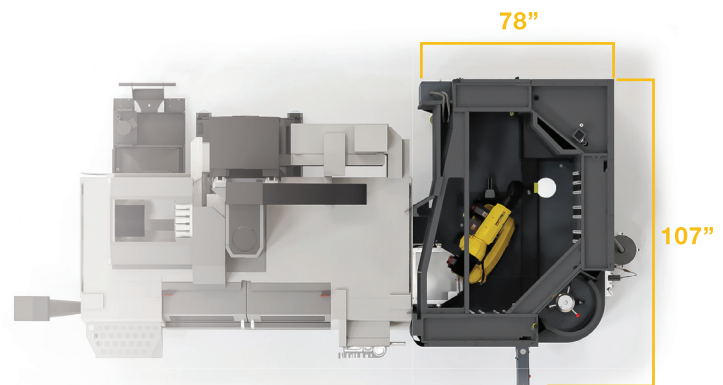- Robot Capacity: 55 lbs.

FEATURES

- Fanuc M-20iD Robot
- 15" touch screen with Trinity AXPM Software
- Pallet designed for a single clamping module
- Single pallet operator station with rotating receiver
- 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
- 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)

AX SERIES KEY BENEFITS

- Optimize high mix CNC production
- Decrease set-up time via stored workholding
- Eliminate idle time between part loads
- Increase spindle utilization
- Maximize the floor space of your shop
- Ensure repeatability with smart workholding & software
- Run unmanned night & weekend shifts
- Easy to use interface

78"

107"

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Trinity AX2 duo

Unlock the Potential of Your CNC

AX SERIES

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TRINITY
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Trinity AX2 duo

98"

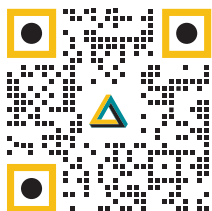*Designed & Built in California*

SPECIFICATIONS

- Configurations: AX2-24 Duo / AX2-36 Duo
- Max Part Size: Ø16" x 9"H / Ø12" x 9"H
- Pallet storage options: 24 / 36
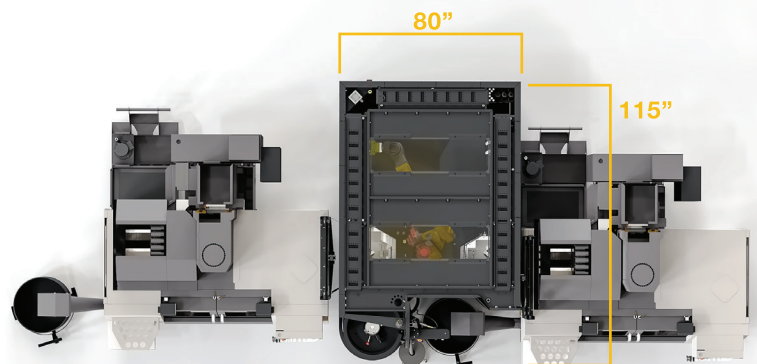- Max Payload: 55 lbs.

FEATURES

- Fanuc M-20iD Robot
- 15" touch screen with Trinity AXPM Software
- Pallet designed for a single clamping module
- Single pallet operator station with rotating receiver
- 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
- 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)

AX SERIES KEY BENEFITS

- Optimize high mix CNC production
- Decrease set-up time via stored workholding
- Eliminate idle time between part loads
- Increase spindle utilization
- Maximize the floor space of your shop
- Ensure repeatability with smart workholding & software
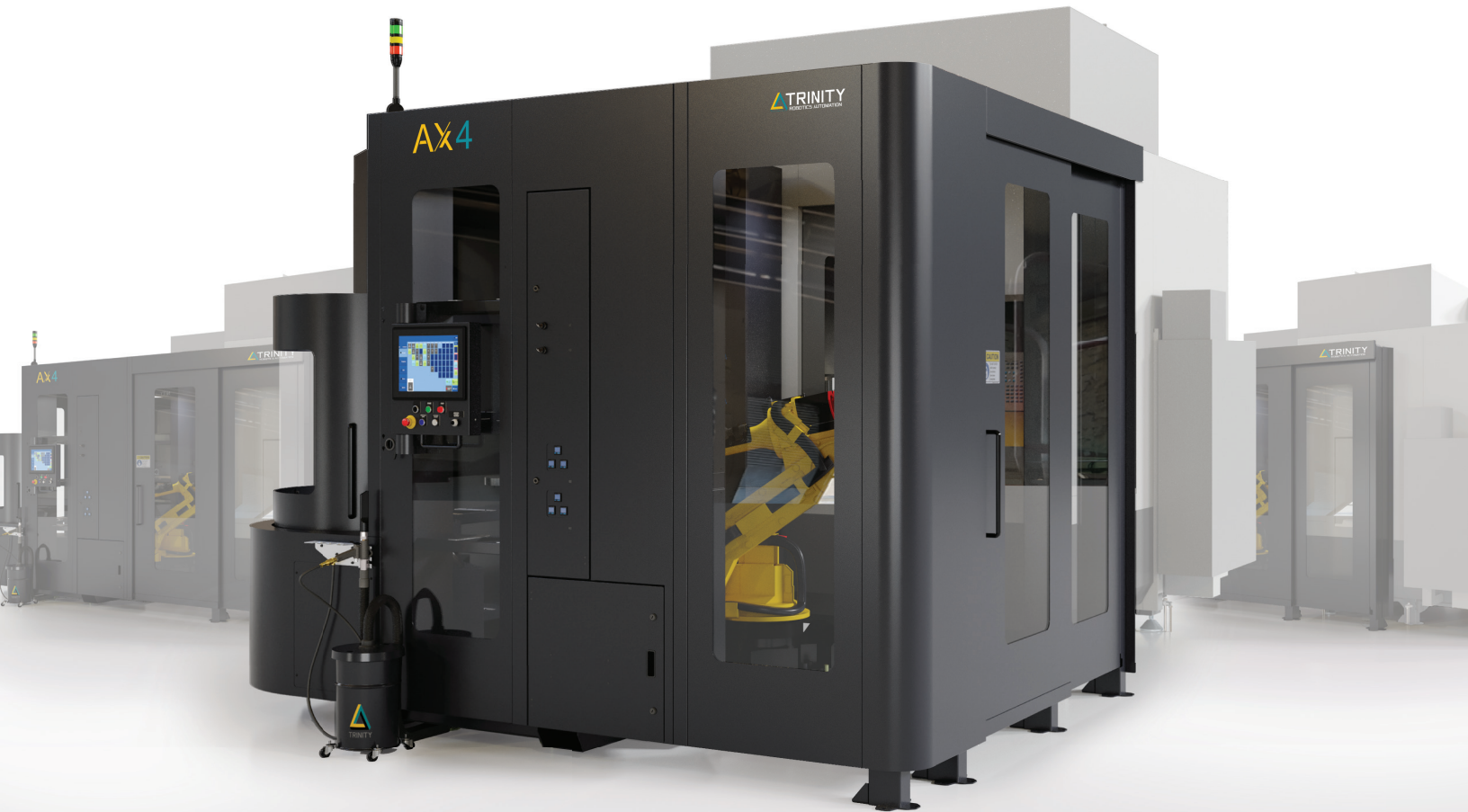- Run unmanned night & weekend shifts
- Easy to use interface

80"

115"

Turn 2 of your existing CNC Machining Centers into an Automated Production System.

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ROBOTICS AUTOMATION

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Trinity AX4

Unlock the Potential of Your CNC

AX SERIES

Optimize Your Spindle
Reduce Your Setup Time
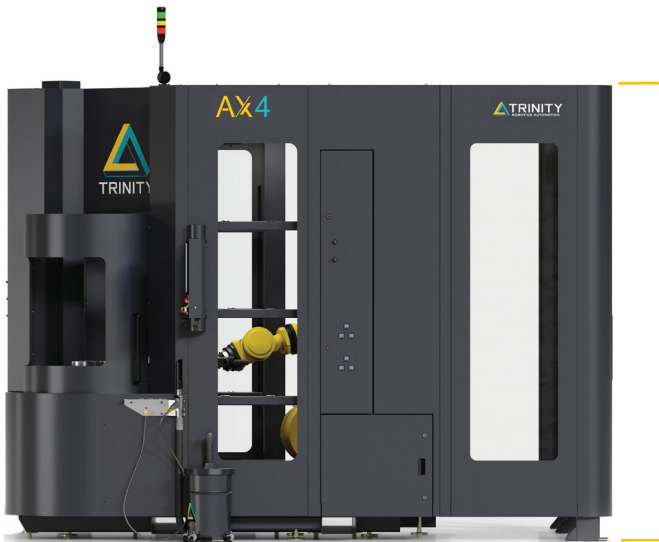Run Unmanned

TRINITY
ROBOTICS AUTOMATION

Trinity AX4

107"

Designed & Built in California

SPECIFICATIONS

- Configurations: AX4-12 / AX4-18
- Max Part Size: Ø21.5" x 14"H / Ø21.5" x 8"H (+ Bonus Ø)
- Pallet Locations: 12 / 18
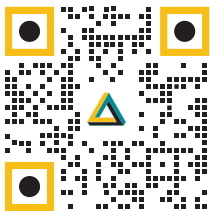- Robot Capacity: 160 lbs.

FEATURES

- Fanuc R-1000iA Robot
- 15" touch screen with Trinity AXPM Software
- Pallet designed for 3 clamping modules
- Single pallet operator station with rotating receiver
- 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
- Integrated Fanuc OEM 220 VAC, 3 phase transformer
- CNC machine integration
- Safety fence with sliding door and auto-door installation
- System crating and preparation for shipment
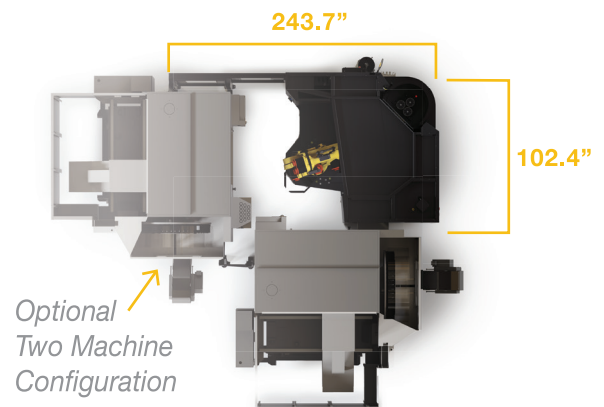- System installation and operator training (5 days)

AX SERIES KEY BENEFITS

- Optimize high mix CNC production
- Decrease set-up time via stored workholding
- Eliminate idle time between part loads
- Increase spindle utilization
- Maximize the floor space of your shop
- Ensure repeatability with smart workholding & software
- Run unmanned night & weekend shifts
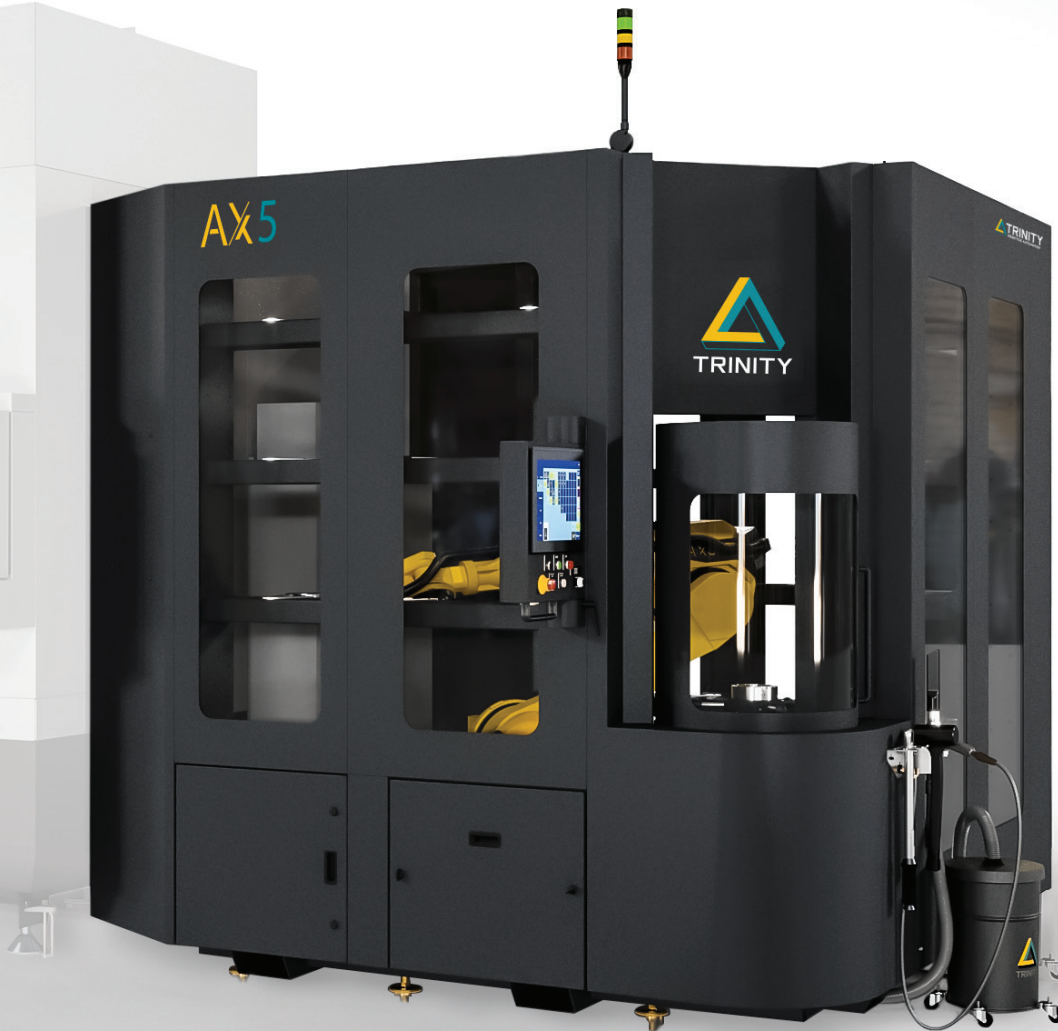- Easy to use interface

243.7"

102.4"

*Optional
Two Machine
Configuration*

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Trinity AX5

Unlock the Potential of Your CNC

AX SERIES

Optimize Your Spindle
Reduce Your Setup Time
Run Unmanned

TRINITY
ROBOTICS AUTOMATION
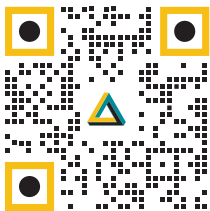
Trinity AX5

SPECIFICATIONS

- Configurations: AX5
- Max Part Size: Ø18" x 12"H
- Pallet storage stations: 40
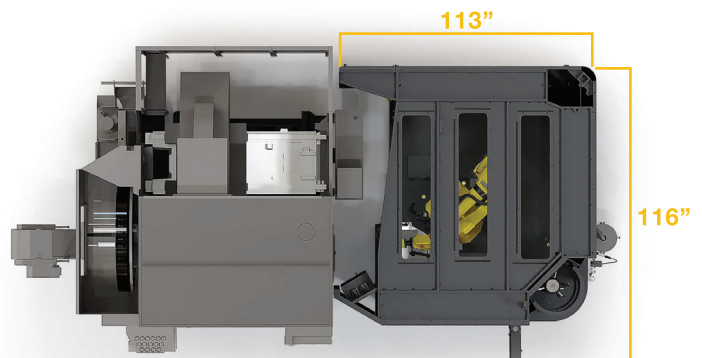- Max Payload: 75 lbs.

FEATURES

- Fanuc M-710iC/70 Robot
- 15" touch screen with Trinity AXPM Software
- Pallet designed for a single clamping module
- Single pallet operator station with rotating receiver
- 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
- 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)

122"

Designed & Built in California

AX SERIES KEY BENEFITS

- Optimize high mix CNC production
- Decrease set-up time via stored workholding
- Eliminate idle time between part loads
- Increase spindle utilization
- Maximize the floor space of your shop
- Ensure repeatability with smart workholding & software
- Run unmanned night & weekend shifts
- Easy to use interface

113"

116"

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Trinity AX5HD

AX5HD

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AX
SERIES

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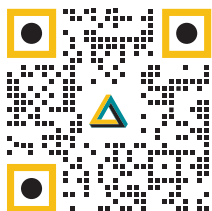
Trinity AX5HD

SPECIFICATIONS

- Configurations: AX5HD
- Max Part Size: Ø18" x 12"H
- Pallet storage stations: 40
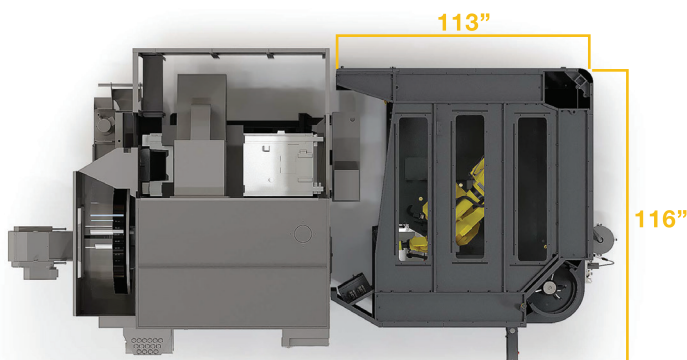- Max Payload: 110 lbs.

FEATURES

- Fanuc M-710iC/70 Robot
- 15" touch screen with Trinity AXPM Software
- Pallet designed for 3 clamping modules
- Single pallet operator station with rotating receiver
- 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
- 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)

Designed & Built in California

122"

AX SERIES KEY BENEFITS

- Optimize high mix CNC production
- Decrease set-up time via stored workholding
- Eliminate idle time between part loads
- Increase spindle utilization
- Maximize the floor space of your shop
- Ensure repeatability with smart workholding & software
- Run unmanned night & weekend shifts
- Easy to use interface

113"

116"

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