

COLLABORATIVE ROBOT CNC MACHINE TENDING

A pre-configured, flexible machine tending solution designed to work with your CNC milling and turning equipment that is geared for your high-mix, low-volume machining production.

\$67,900*

www.fusionOEM.com

Universal Robots UR5e Robotiq Hand-E Servo Gripper

The FC01 is an extremely flexible collaborative robotic system that can tend to the simple and repetitive tasks of loading and unloading parts from your CNC equipment. By automating the tending, you free your highly-trained machinists to apply their skills to more advanced tasks such as setting-up for the next job in another machine, CNC programming, and parts inspection.

More Spindle Hours at Lower Costs

Utilizing the FC01 for efficient, reliable, uninterrupted machine tending throughout the day and into the off-shifts (lights-out) enhances the ROI on your CNC equipment.

Quick Payback Period

The FC01 is your most reliable and tireless machine tender. The breakeven for this investment can be realized in as little as 6 months depending on the number of shifts you run annually.

A Collaborative System

The cobot allows you to automate safely without tying up money and valuable floorspace that is required by conventional robotic machine tending solutions.

Reduce Machinist Fatigue

Less machinist fatigue and safer because the FC01 is taking care of the repetitive motion of opening & closing machine doors and loading & unloading parts.



LEAN CNC PRODUCTION

Easily move raw parts in and out with the two supplied carts



INCLUDES DELIVERY, INSTALLATION, AND TRAINING

We will deliver within 100 miles of Fusion, handle the required installation, and the on-site training



QUICK DELIVERY

Our promise is to personally deliver our standard configurations within 15 business days of order



CUSTOM END-EFFECTORS

Easily swap out gripper fingers and entire end-effectors as your jobs change



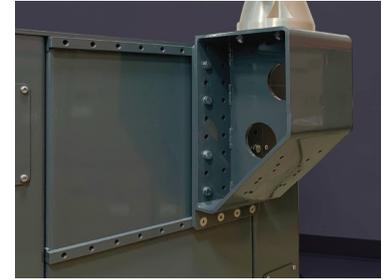
REMOTE SUPPORT

After installation Fusion provides 10 hours of remote support



CONTINUOUS OPERATION

Designed for "lights-out" operation



EQUIPMENT SPECIFICATIONS

The details below define the standard FC01 unit. Additional options, customized features, and safety devices can be added if your application requires.

Features

- Universal Robots' UR5e cobot
- Heavy-duty Cart Docking Station with two (2) Carts for easy offline parts set-up and parts queuing
- Robotiq 2-finger Parallel Servo Gripper with three (3) Sets of Interchangeable Fingers
- Pendant Armor for the Teach Pendant
- One (1) year warranty includes parts & labor
- Ten (10) hours of remote support

Machine Details

- Cobot Maximum Reach: 33.50"
- Cobot Payload Capacity: 9 lbs.
- Gripper Maximum Stroke: 1.97"
- Overall Footprint: 34" wide x 44" long
- Power Requirement: 115 VAC, 15 Amps
- Air Supply Requirement for Cart Lock: 80 PSI

Options

- Robotiq Force Copilot
- Dual Robotiq Servo Grippers
- Programmable Air Nozzle
- Custom Nesting
- Custom Gripper Finger Sets

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