

# CNC MILL AUTOMATION SYSTEM

The VersaBuilt CNC Mill Automation System for Universal Robots makes high mix automation easy and flexible.

Combined with a UR10e robot from Universal Robots, the VersaBuilt CNC Mill Automation System has everything needed to successfully automate a CNC mill. All components of the system are pre-assembled and designed to work together.

Starting with basic hand tools, the VersaBuilt CNC Mill Automation System can be installed and processing parts in just one day.

## NO PROGRAMMING REQUIRED

Easy to use automation software designed from the ground-up for CNC milling automation. All robot motion is pre-programmed yet fully customizable. Simply enter part dimensions and CNC milling program numbers, and enjoy the benefits of CNC automation. The VersaBuilt CNC Mill Automation System is the easiest and most capable CNC machine tending system available.

## MULTI-OPERATIONAL AUTOMATION

Your parts require multiple operations, why settle for a milling automation system that doesn't support multiple operations? Only VersaBuilt's patented MultiGrip automation workholding system provides a generalized solution for multi-operation CNC milling automation. There is no easier, faster way to automate CNC milling production.

## INTRODUCTORY PRICING

Mill Automation System with UR10e \$74,995

Mill Automation System Standalone \$24,995

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### VersaCart 1300

Portable cart optimized for the Universal Robots UR10e robot

### Visual Infeed System

Part alignment grid improves operator efficiency and maximizes infeed capacity over a wide range of part sizes

### 2x MultiGrip Vises

Easily automate part processing through multiple milling operations

### MultiGrip Robot Gripper

200lbs clamping force supports 10KG part payload, machine tending specific gripper

### VersaBlast In-CNC Cleaning

Removes chips and coolant from parts and MultiGrip Jaws after machining

### VersaBuilt System Controller (VSC)

CNC automation Control system provides rich graphical user interface and coordinates all CNC, robot, and IO functions simplifying installation and eliminating the need for tedious robot programming

### MultiGrip Jaws starter kit

2ea MultiGrip Top Jaws  
2ea MultiGrip Base Jaws OD

### Optional VersaDoor

Simple and reliable automatic door opener for CNC available for single or double doors

# CNC MILL AUTOMATION SYSTEM

## Included with CNC Mill Automation System

- VersaCart 1300
- VersaBuilt System Controller (VSC)
- 2x MultiGrip Vises
- MultiGrip Gripper
- VersaBlast part and Jaw cleaner
- MultiGrip Jaws Starter Kit
  - 2 sets of OD jaw bases
  - 2 sets of Top Jaws
  - 1 set of Universal Op1 Jaw Tops

## VersaCart 1300



## MultiGrip Vise



## Technical Specifications

### Electrical Power

- Robot and controller = 110 VAC
- VersaBuilt System Controller = 110 VAC
- Ethernet Switch = 110 VAC

### Pneumatic

- 90-120 psi compressed air that meets ISO 8573-1:2010 [7:4:4] standard
- Max system air consumption 20 SCFM during VersaBlast operation

### VersaCart 1300

- 56" L x 32" W x 30" H
- Moveable VersaCart via casters
- Lock into position by lowering footpads
- Parts located on visual infeed
- Part capacity depends on part size
  - 0.5" W x 6.0" L part = 80 parts/setup
  - 2.0" W x 6.0" L part = 40 parts/setup
  - 2.0" W x 4.0" L part = 56 parts/setup
  - 4.0" W x 4.0" L part = 35 parts/setup
  - 8.0" W x 8.0" L part = 12 parts/setup
- Part stacking is available, doubling or tripling part infeed capacity

### User Interface (VSC)

- With tablet or laptop, users can configure, test, and run jobs
- VSC manages communication with CNC control

### MultiGrip Vise

- Pneumatic operation
- Capable of operation between 10-230 psi
- Clamping force at 120 psi = 4550 lbs
- Size: 6" W x 8" L x 5" H

### MultiGrip Gripper

- Pneumatic operation, 120 psi Max
- Clamping force at 120 psi = 200 lbs
- Quick change MultiGrip jaws pick blocks from infeed and transfer part and jaws to MultiGrip Vise

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