

FlexxTend

Flexxbotics

As a leading UR Certified System Integrator (CSI) we deliver robotic operation of your CNCs with optional In-Line Inspection using our game-changing technology for Robot+Machine connectivity, communication and control.

We provide everything necessary for successful robotic automation including the hardware needed – UR cobot, gripper, in-feed, mobile cart, etc – powerful software for robot/machine interfacing and operation, and expert consulting services with complete project capabilities for Turnkey implementation.

Our professionals rapidly design & integrate your machine tending projects and optimize robotic automation for continuous production. We can help you realize your goals from cobot-enabling your first CNC to achieving “lights-out” operations with robot-driven manufacturing at scale.

Previous Project Outcomes

- 58.3% Capacity Increase
- 10:1 Machine-to-Man Ratio
- Reduced job change-over time from over an hour to under 10 minutes
- 100% of parts inspected with failure classifications and nonconformance sorting
- In-line Inspection for Closed-Loop Quality resulting in Higher Yields



Specifications:

- Includes a urcap plugin

Yes, Flexxbotics Extensions are approved URCaps

- Software version required

Polyscope 5.11 or later

- Certifications and standards

FCC, ISED, and CE compliant

- Dimensions

Full hardware setup dimensions dependent on customer application

- What's in the box?

- Flexxbotics Solution includes:

Flexxbotics Edge Device

Flexxbotics Machine Interface Hardware

Flexxbotics Reference Offset Tool

Flexxbotics Software Solution

- Additional Hardware as needed for specific project design

UR Cobot (optional if needed, if already have then can use existing)

Mobile Cart (optional based on design)

In-Feed/Out-Feed trays (optional based on design)

Auto Vice/Chuck (optional based on design)

Gripper & Fingers (optional based on design)

Autodoor (optional based on design)

- License type

Annual Subscription for Software Solution

Consulting Services expenses for Deployment

Hardware costs as needed

