



Application Solution:
Machine Tending Kit

Cobots are increasingly used in machine tending, automating tasks like loading and unloading parts in CNC machines, injection molding, and other industrial equipment. This approach improves efficiency, safety, and productivity, while allowing human operators to focus on higher-value tasks.

IDEAL USE CASES:

- Small to mid-sized machine shops
- CNC mills, lathes, and grinders
- Companies with limited labor or high-mix, low-volume production

WHAT YOU NEED:

- Cobot Arm:** 6-axis collaborative robot, 10kg payload, 1300mm reach
- Gripper:** 2-finger adaptive gripper with adjustable stroke (e.g., Robotiq 2F-85)
- Mount/Base:** Fixed pedestal with leveling feet
- Machine Interface Kit:** I/O interface for machine start/stop and status feedback
- Vision System (Optional):** 2D camera with part orientation detection for tray-based loading
- Safety Add-on:** Area scanner or light curtain (optional based on layout)
- Programming Software:** Drag-and-drop interface with machine tending templates
- Training & Support:** 1 day on-site setup + 4 hours remote training

SPECIFICATIONS:

- Payload:** 10 kg
- Reach:** 1300 mm
- Cycle Time:** ~15–25 sec depending on part
- Repeatability:** ±0.03 mm
- Power:** 110–240V standard outlet

PACKAGING OPTIONS:

- Standard:** No vision
- Plus:** Includes vision and camera stand
- Premium:** Includes mobile base + safety scanner

