

UCHIMURA ROBOTICS

ROBOTS FOR EVERYONE™

Uchimura robotics is a custom machine integrator specializing in collaborative and industrial robots.

At Uchimura Robotics, we provide customized automation solutions by partnering with top robot suppliers and accessory providers to meet your specific needs. Our expert team delivers reliable, proven technology quickly, ensuring each solution is the best fit for your application.



WHY COLLABORATIVE ROBOTS?

When possible, we recommend collaborative robots though we are well versed in traditional robotics as well. There are many advantages to using the latest cobot technology:

- ✓ Increased Safety
- ✓ Small Footprint
- ✓ Plug-and-Play Accessories
- ✓ Quick Deployment
- ✓ Easy Maintenance
- ✓ Off-the-Shelf Application Kits



// End-of-Line Palletizing

Palletizing is an ideal starting point for first-time cobot users, with Uchimura Robotics ensuring success through reliable hardware kits that are instantly scalable.



// CNC Machine Tending

Our cobot solutions automate repetitive CNC tasks with plug-and-play grippers and turn-key kits, enhancing productivity and reducing downtime.

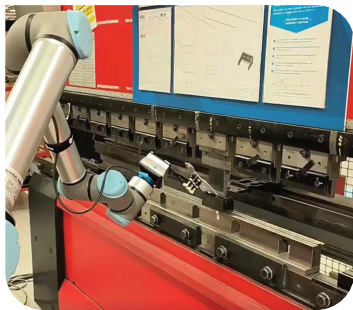
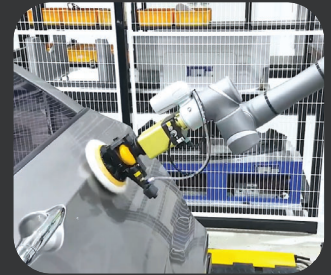


// Random Parts Bin-Picking

Uchimura's random bin picking is highly robust, leveraging AI advancements in the 3D sensor space to effectively handle various bin sizes.

// Material Finishing

Sanding, polishing, and deburring are ideal applications for cobots. These are deployed quickly when utilizing one of our many compliant tools:



// Press Brake Tending

Automating press brakes enhances safety, quality, and throughput. We work closely with you to ensure every decision, from infeed systems to sensor configuration, is tailored for optimal results.

// Autonomous Mobile Robots (AMRs)

AMRs intelligently navigate existing infrastructures without floor guides, using scanned maps and sensors, and are third-party certified for safe, collaborative operation alongside people and machinery.

Common applications include:



Pallet Moving



Goods Transport



Conveyor Roller Top

// Many Other Custom Applications

Human potential is your greatest asset. If an employee looks robotic doing the task, you may be wasting it!

Good candidates for robotic applications exhibit the three D's:

Dull – where motions are highly repetitive leading to attrition and quality issues

Dirty – where the environment is a barrier

Dangerous – where protecting your workers must be addressed

Flex Feeding



Injection Molding



Welding



Inspection

