

LASER MARKING CELL



Affordable Fiber Laser Marking with Integrated 4D Bin Picking Enables Autonomous Operation with Human-like Speed and Capabilities.



KEY FEATURES

- **Fully automated laser marking system** is ready to mark or engrave high-quality logos, text, serial numbers, barcodes, and more.
- Powered by the industry leader in marking, the **Mecco Lightwriter™** can accommodate the widest variety of materials, including plastics, ceramics, steel, aluminum, titanium, and copper.
- **Apera AI 4D Vision bin picking** delivers high-reliability under ambient lighting conditions, even with clear, reflective, or nested parts.
- **Small footprint** can incorporate into a production line or stand-alone application.
- **Flexible system architecture** utilizing the range of UR Cobots can accommodate your unique part delivery needs.

TECHNICAL SPECIFICATIONS

| | |
|-------------------------------------|---|
| MAX PART SIZE | 20" x 15" x 5" |
| MAX MARKING FIELD | 7.0" x 7.0" |
| POWER REQUIREMENTS | 110/220 VAC 50/60Hz, 15A |
| LASER | 20W Fiber |
| DESKTOP ENCLOSURE | Class 1 with Automatic Door |
| AIR REQUIREMENTS | 70-80 psi |
| VISION SYSTEM | AI Powered Stereo Vision (2D + 2D = 4D) with sub millimeter accuracy. |
| FULL ROBOTIC PICK CYCLE TIME | As low as 1.5 Seconds |
| COBOT | Up to 11lb payload and a reach of 33.4" when equipped with a UR5e |

SYSTEM PARTNERSHIPS



apera.ai



mecco.com



universal-robots.com



neffautomation.com

ABOUT US

After supporting our partner company PrecisionForm, Inc., with process automation solutions for several years, Precision Cobotics was created out of a desire to share our experience with the manufacturing industry.

As a team, we have a deep understanding of how to create measurable value through automation.

Our principals offer trust developed over decades in the automation industry. The backing of an established manufacturing enterprise gives us a competitive edge.

We are proud to partner with Universal Robots as a Certified System Integrator.

At Precision Cobotics, our mission is to build relationships, solve problems and create value with our customers.

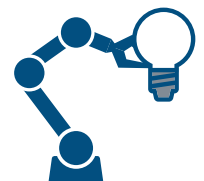
OUR FOCUS



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