



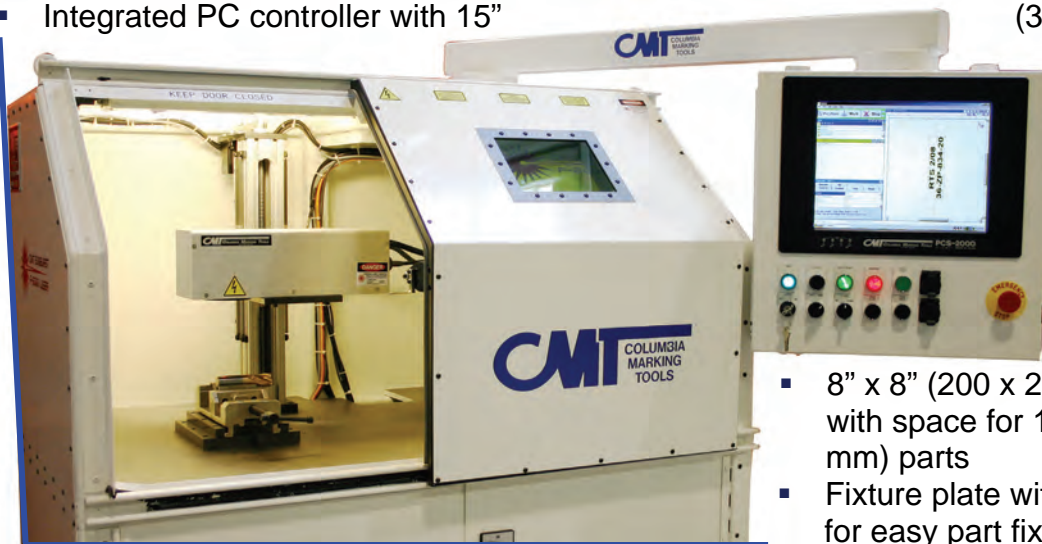
Tomorrow's marking technology...today!

Pro-Mark Laser

Production laser marking stations with cycle time saving features including: automated turntables, automated doors, integrated mark verification, lighted work areas, gang marking capabilities. Available with either 5W, 10W, and 20W YV04 or 20W and 30W Pulsed Fiber Laser Systems.

Laser Marking machine structure & enclosure including:

- Stand-alone machine base & enclosure
- Integrated PC controller with 15"



- (380 mm monitor, keyboard, mouse & laser software preloaded
- Marker head assembly with Z axis manual height adjustment

- 8" x 8" (200 x 200 mm) work table with space for 14" x 14" (355 x 355 mm) parts
- Fixture plate with ¼"-20 hole pattern for easy part fixturing
- Operator E-stop on front of machine
- Exterior mounted main power switch
- Work light
- All components fully integrated and tested
- 100 mm diameter marking window (pending lens selection)
- Class 1 laser enclosure with easy open front door with integrated cycle interrupt safety switch
- Front of enclosure to have small laser safety glass window



Power Supply Unit:

- 400 watt total power consumption, air cooled
- CDRH Class I level of manufacture
- Input power: 100-240VAC, 5A 50/60 Hz

CMT Custom Marking Software featuring:

- Windows based software with extremely easy operator interface
- Including drag and drop features for text, graphics, barcodes, circles and lines
- A Red diode tracing feature which displays an outline box for graphics and true trace for text enabling precise marking legend placement onto part prior to actually marking the part
- The ability to save part files complete with all marking parameters
- Marks any true-type font
- Full serialization, includes placeholders and fixed data prefix/suffix. Standard for all text and barcode / data matrix objects
- UID compliant

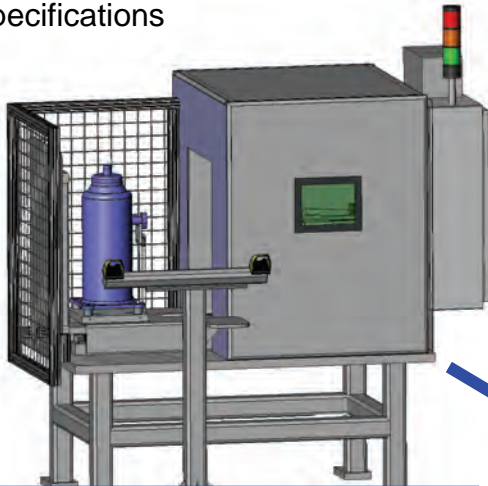
Custom Solutions

Columbia provides complete custom laser marking solutions

- Choice of laser source
- Custom designed enclosure
- Safety guarding, shielding and all OSHA requirements
- Feeding systems, pick and place devices
- Part rotators and fixturing
- Integrated camera mark verification (2D marking)
- Custom HMI and PLC, build to customer specifications



Each custom solution includes a 3D approval process. In addition, all systems go through rigorous run off and test.



From Design To Build

