



**CENTROID™**

**CNC Digitizing**

**On machine CNC Digitizing: Copy and Reproduce 3D & 2D shapes**

**Digitize and replicate shapes with your CENTROID CNC equipped Milling machine.**

- Digitize 2D contours and 3D shapes
- Simple menu driven digitizing routines
- Graphical fill-in-the-blank setup
- Automatic data collection
- Seamless CENTROID CNC control integration
- No extra computer or software needed to digitize
- Creates both G-code and XYZ data automatically
- See backplot of data before export
- Easy data export to CAD/CAM for manipulation
- Grid Digitizing for contoured surfaces
- Radial Digitizing for pockets and cavities
- Contour Digitizing for 2D shapes (cams)
- Smart contour following digitizing
- Multiple areas can be linked together to make one continuous surface
- Graphical menus for fast, easy setup

**Purchase direct from Machines in Motion, Inc.  
714 528-7061 [sales@machinesinmotion.com](mailto:sales@machinesinmotion.com)**





**Digitize and replicate difficult to reproduce shapes with your CENTROID CNC equipped Milling machine.**

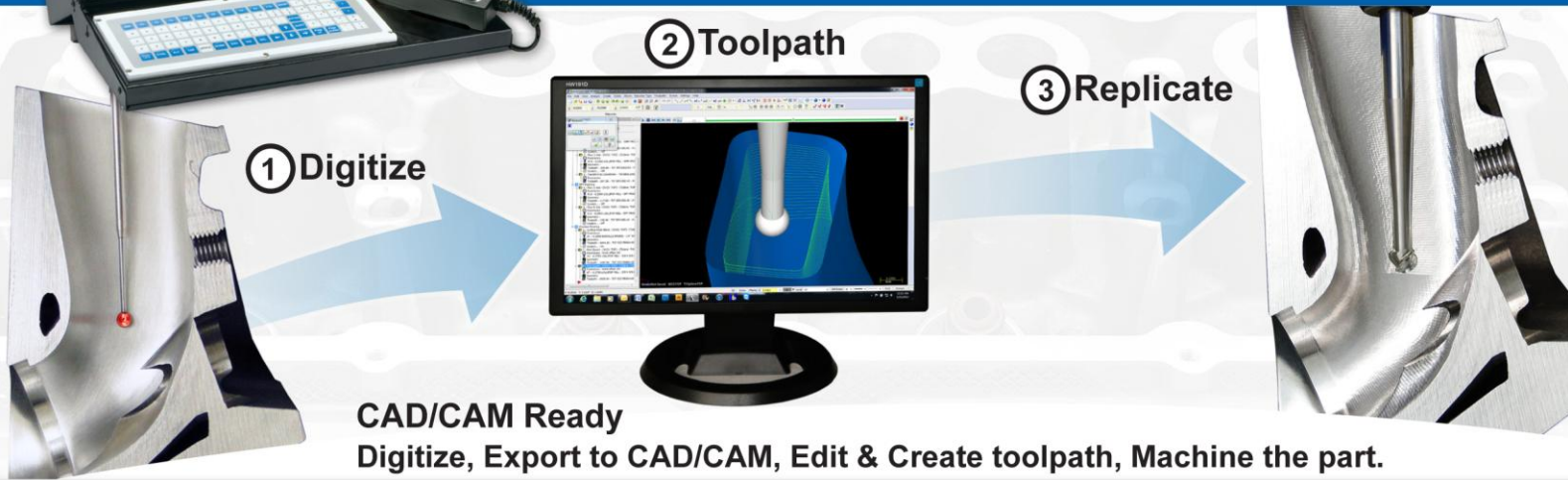
CENTROID's Digitizing allows you to use your milling machine or router to automatically copy 2D contours and 3D shapes. Seamlessly integrated into the CENTROID CNC control, digitizing parts is simple with the fill-in-the-blank menus. Endless applications for reverse engineering, reproducing Molds, Patterns, Plugs, Cylinder Head work, Machinery Cams, EDM electrodes, and any free form shape.

**Perfect for Mold and Pattern making, any CENTROID equipped milling machine or router can CNC digitize.**

Digitizing is simple, from the digitizing menu select the type of digitizing required, enter in a work envelope size and the data resolution needed and press the cycle start button; the control commands the probe to automatically trace the surface and records the shape data automatically with no operator attendance needed. Once the digitizing is complete you can immediately machine an exact copy or create rough and finish passes for use with different size tools with most any CAD/CAM system such as: Mastercam, Vectric Aspire, Surfcam BobCAD etc. While digitizing is straight forward to use, on-site training is also available.



In addition to the Digitizing cycles, CENTROID CNC Digitizing packages include other useful CNC software options such as: Probing cycles, Coordinate System Rotation, and Unlimited File Size. These powerful tools can be used in conjunction with the digitizing process, part setup or any G-code or Conversational program. CENTROID M39 and M400 CNC controls leave the factory prewired ready to digitize. The installation of the digitizing option is simple, with a CENTROID CNC you'll be digitizing in minutes.



**Part #**

12797	Digitizing package w/ DP-7 kit (DP-7: solid state design)
12798	Digitizing package w/ DP-4 kit (DP-4: kinematic design)
10770	Digitizing package software only*

Kits contain: DP-4 or DP-7 CNC touch probe, manual, external probe cable, 2.5 mm stylus, 5 mm stylus, tools, 1" standard bore gauge, digitizing software & probing software and internal probe cable (when required). Please see our website and the DP-7 and DP-4 CNC touch probe brochures for more information on the difference between the two probes. (\* Denotes DP-4 or DP-7 required) Patent #6,553,682



**CENTROID**

Technician available for your questions  
 714 528-7061 support@machinesinmotion.com

(most older CENTROID controls are "digitizing ready"; give us a call to find out)