

PROMOTION iCNC

Advanced technology does not have to be complicated to use. With Techno-Simplicity™ in software and user interface, the ProMotion® iCNC® combines simplicity and advanced intelligence in a PC-based shape-cutting control. Numerous features empower machine operators with shop-floor shape-cutting control:

- **Dual microprocessor technology provides true multitasking.**
- **Direct download from DXF files.**
- **Easy part program creation and nesting.**
- **Optional productivity tools and automatic interlocking nesting.**
- **Optional HVAC user interface.**



i Intelligent
Shape-Cutting
Solutions



ProMotion® iCNC® Shape-Cutting Control General Description

The ProMotion iCNC is an advanced PC-based shape-cutting control solution for oxyfuel and plasma cutting.

Along with dual microprocessor technology for true multitasking, the ProMotion iCNC includes a 15-inch TFT high resolution flat panel touch-screen to enhance the machine operator's view of the real-time cutting process.

Along with the ability to direct download DXF files, processing them into cutting programs without the need for additional software, the ProMotion iCNC incorporates built-in Micro CAD software, empowering machine operators to easily modify and create new part programs.

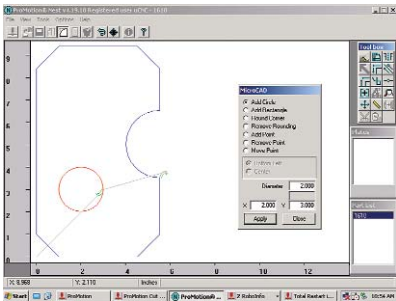
You can order the ProMotion iCNC with various software options including Productivity Tools, Automatic Interlocking Nesting and Speed Profiles for different materials. Optional HVAC super simplified user interface is also available.

The ProMotion iCNC is housed in a rugged industrial grade enclosure. With USB connectivity, it supports numerous data peripherals and associated devices. The controller has built-in Ethernet interface.

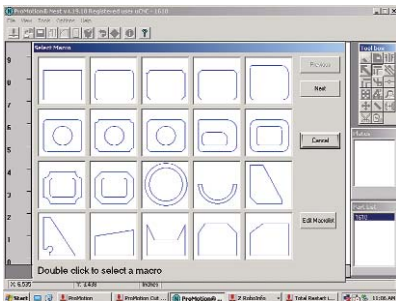
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PROMOTION CONTROLS

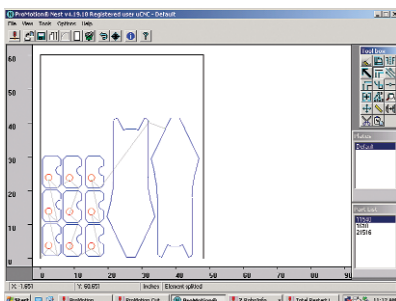
INTELLIGENCE with TECHNO-SIMPLICITY



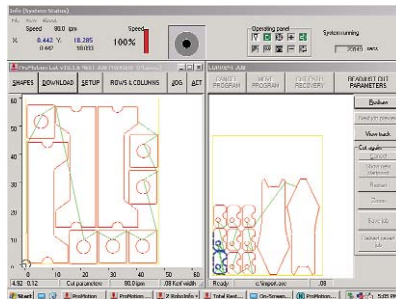
With the *i*CNC, you can call up and convert a DXF file. Then point and click pierce point and you are ready to cut.



Select from over 42 macro shapes in our Shape Library. Then use Micro CAD to create an infinite number of new shapes.



With the *i*CNC, operators are empowered to change lead-in and lead-out, change pierce locations and to create nests.



With the *i*CNC, you have true multitasking. Preview and prepare your next job on the left while you monitor real-time cutting on the right.

ProMOTION *i*CNC PC-BASED CONTROLS INCLUDE THE FOLLOWING:

- Microsoft Windows® XP-Operating System
- Dual Microprocessors – one processor for Windows operation and the other processor dedicated to motion for true multitasking
- 15-inch Touch-Screen TFT SVGA High Resolution Color Flat Panel Display
- 40-Gigabyte “Laptop Style” Hard Drive or larger
- 256 Mbytes of Ram
- Network Card with RJ-45 connector
- RS-232 9-Pin D-Sub Connector
- 3 USB Ports
- Integrated Operator Control Panel, including:
 - Speed Potentiometer Control with height disable
 - Jog Directional Control – 8 Positions 45 Degrees
 - Start/Stop-Back-Up/Torch On-Off/Move Ahead Manual Mode/Speed Up/Speed Down/Zero
- Emergency Stop Button/Power On-Reset Switch
- All necessary switches to operate 2 plasma torches, 4 oxyfuel torches and a plate marker

*i*CNC OPERATION SOFTWARE INCLUDES:

- Real Time Motion Display
- Manual and Interlocking Nesting
- Row & Column Nesting
- Micro CAD – Tool for editing and to create new shapes
- Parameter Quick View Screen – Verify or change most commonly used parameters
- Cutting Parameter Database – Allows operator to build a database of cutting parameter settings based on material, thickness, and cut process
- Plate Alignment
- Trial Run and Shift Program feature
- Cut Path Recovery
- Suspend current cutting and Save Job, return to saved job, select new starting point
- Readjust Cut Parameter Screen – Change parameters while cutting
- DXF Converter – Easily converts CAD drawings (DXF files) to cutting programs
- Standard Shape Parts Library
- EIA Code Reader – Easily reads existing code from competitive controllers
- Piercing Tool – Change pierce locations with “point-and-click” ease
- Selectable Lead-in and Lead-outs on DXF files and Macro Shapes
- Selectable cutting order
- Rotate, Mirror, Copy Zoom & Measure Tools
- Change compensation side or cutting directions
- Upgradeable with Productivity Tools, Automatic Interlocking Nesting, Speed Profiles, etc.

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