



CNC FOR MILLING APPLICATIONS



From the moment you power up your MILLPWR[®] system, you'll know it was built with convenience in mind. From the exceptional clarity of a large, full color LCD display to the added advantage of full 3D contouring capabilities and menu-prompted conversational programming, essential functions are only a key stroke away. Use MILLPWR as a full function digital readout system, a programmable CNC control or both. It's powerful enough to handle any job and easy enough for anyone to operate. No prior programming experience necessary.



MILLPWR. SIMPLE. CONVENIENT. POWERFUL.
AVAILABLE AS ORIGINAL EQUIPMENT OR AS A RETROFIT
ON MANY MANUFACTURERS MACHINES.

SEE INSIDE FOR DETAILS.

USER-FRIENDLY

SAVE TIME. MAKE MONEY.

Standardized menus make it easy to program common features, simply press any function key and follow the prompts. Use MILLPWR for arcs, blends and circles in any size, shape or pattern your print requires. There is no need to set up rotary tables or other devices. MILLPWR also includes an engrave option for engraving alphanumeric characters vertically, horizontally, diagonally or along an arc.

Save time with the skew feature, which enables the user to set up a work piece without perfectly aligning it along the X and Y axes. MILLPWR will compensate for the angle offset from start to finish.

The teach position feature allows the operator to use a tool, electronic Edge Finder or indicator to create a program from an existing part.

Tool Library

Create a list of frequently used tools to save time while programming a part.

Tool Offsets

Automatically compensate for the tool's dimensions while machining.

Custom Pocket/Islands

Clear a continuous closed contour with an irregular shape for multiple passes.

Mirror/Repeat/Rotate

Easily manipulate part programs to save time and reduce program steps.

Explode

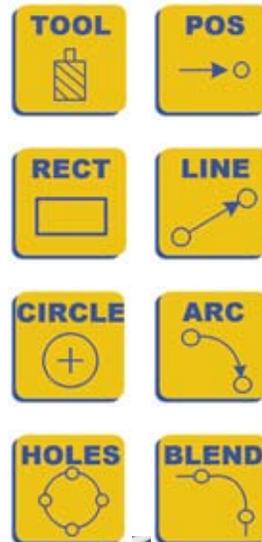
Explode a program step into several, more detailed steps for easier editing.

Reverse Step

Switch the end points and tool offset of any step.

Change Steps

Change or edit the depth, offset, feed rate of several steps simultaneously.



Tool: Program tools by diameter, length, type, direction, speed.

Position/Drill: Drill, bore, position.

Rectangles: Pocket, frame, face, slot.

Lines/Diagonals: Defined by from and to points or by angles.

Circles: Pocket, frame, ring, helix.

Arcs: Defined by from and to points or by sweep, center and 3-points.

Hole Patterns: Full/ partial circles, linear row/column, rectangular frame and array.

Blends: Insert a corner radius between two lines, two arcs or lines and arcs.



Electronic Edge Finder:

Use the Electronic Edge Finder to find work piece zero and locate center positions.

SHOP TOUGH

DEPENDABLE.

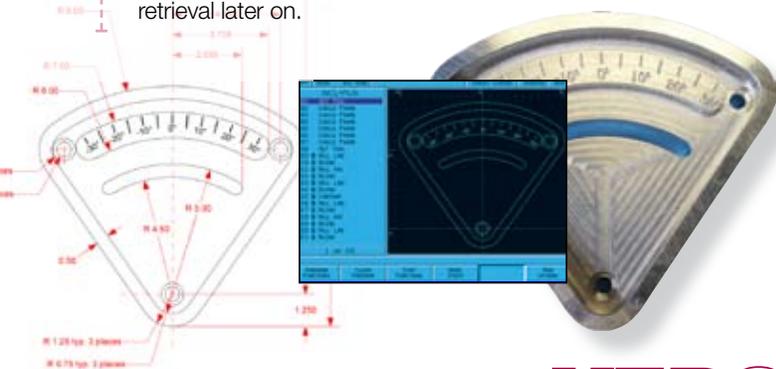
Every MILLPWR system includes components that have been designed, manufactured and tested to withstand the elements of contamination found in even the harshest machine shop environment.

From the durable operator console to the hardened ballscrews and powerful DC servo motors, the components of each system are protected with die-cast metal enclosures, sealed keypads and interlocking lipseals to further protect from metal chips and other contaminants.



From Sketches to Finished Parts In Minutes, Not Days

Bring a brainstorming session to life with simple features that reduce programming time. DXF file input allows the operator to import part geometry directly from a CAD file. After the DXF file has been loaded, save on MILLPWR's large internal memory, on a removable compact flash drive or on your PC (via an RS-232 port) for easy retrieval later on.



Travel Limits

Establish maximum travel limits with software, instead of costly mechanical switches that reduce travel.

Feed Rate Override

Adjust the feed rate without exiting the milling function or program.

Reference Tables

Look up drill and tap sizes as well as surface speeds in seconds.

Remote Stop/Go

Start and pause movement with a hand held switch

Jog Control

Move quickly from one location to another utilizing one or all axes simultaneously.



ACU-RITE Precision Glass Scales

Quickly re-establish work piece zero at start up and after power loss with the PositionTrac™ feature.

VERSATILE. CONVENIENT. EFFICIENT.

Use MILLPWR as a full function DRO, an intelligent power feed or a programmable CNC. This versatile system allows the operator to switch from full automatic mode to manual mode in just seconds. Import and run G-Code files from CAD/CAM programs to machine full 3D contoured parts. With optional spindle control, you can automatically control your spindle's speed and/or direction on milling machines that are equipped with an electronic variable speed spindle.

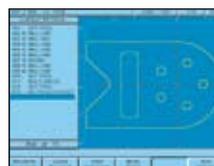
Full Function DRO

Significantly improve efficiency, productivity and profitability; may be used automatically or manually.



Immediate Part-View Graphics

Verify part-programs before and during machining to reduce errors and scrap; use zoom features for intricate details.



Built-In Calculator

Solve geometry and trigonometry problems. Save time and avoid errors by transferring results directly to your part program.



RETROFIT PACKAGES

WHAT'S IN YOUR SHOP?

Update your existing mill with ease. Custom engineered, bolt-on retrofit packages are available for the following machines:

Acer	Millport
Acra	MSC
Alliant	Republic Lagun
Argo	Sharp
Atrump	Southbend Lathe
Birmingham	Top One
Bridgeport	TurnPro
Chevalier	Victor
Clausing	Vectrax
Enco	Willis
Jet	Wilton
Kent	YCI
Lilian	... and Many More

All Kits Include:

MILLPWR Operator Console, Remote Stop/Go Switch, ACU-RITE Precision Glass Scales, Ballscrews, Servo Motors, Mounting Hardware and Machine Specific Bracketry.



MILLPWR IS BACKED BY A COMPREHENSIVE 1-YEAR WARRANTY AND SUPPORTED BY A NATIONWIDE NETWORK OF FACTORY-TRAINED AND CERTIFIED DISTRIBUTORS. OUR DISTRIBUTION NETWORK IS READILY AVAILABLE TO PROVIDE YOU WITH PROMPT DELIVERY, THOROUGH PRODUCT TRAINING AND SKILLED TECHNICAL SERVICE AND SUPPORT.

ACU-RITE®



Certifications
ISO-9001:2001, UL, CSA, CE