

ACCURACY IS EVERYTHING.

That's why **MILLPWR**® CNC SYSTEMS are Fueled by **PRECISION GLASS SCALES**



MILLPWR CNC control systems, featuring the industries best 2½ axis conversational shop floor programming, now has the ability to run G-code files from CAD/CAM programs for **FULL 3-D CONTOURING.**

We can also translate DXF files directly into program code.

Direct closed loop feedback from ACU-RITE Precision Glass Scales transform your manual mill into the most accurate CNC milling machine in its class.

NEW
FULL
3-D
CONTOURING



“MILLPWR has been an incredible time saver for us. The end result is quality and accurate parts over and over.”

Ray Evernam, Owner
Evernam Motorsports



ACU-RITE IS AN
ISO 9001
CERTIFIED
MANUFACTURER



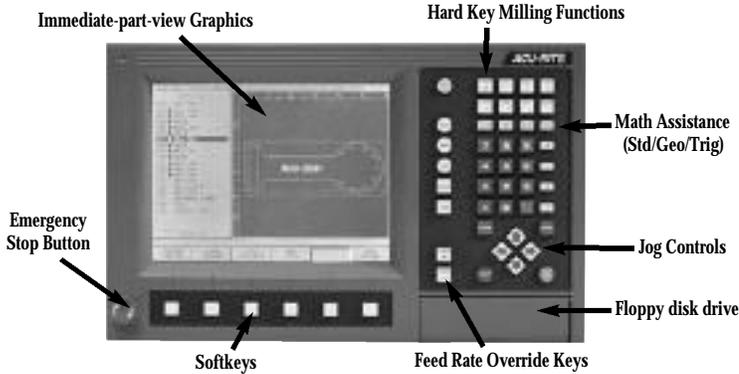
ACU-RITE®

READOUT SYSTEMS • CONTROL SYSTEMS • PRECISION GLASS SCALES

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MILLPWR[®] by ACU-RITE[®]

2- or 3-axes Control/ 3-axes Readout



Hardware Features Include:

- Precision Ground and Hardened Ball Screws
- Powerful DC Servo Motor Assemblies
- Closed Loop Feedback using ACU-RITE[®] Precision Glass Scales (2 μ m/.0001" resolution)
- 10" Flat Panel, Color, LCD Display
- Large Internal Part Program Storage Capacity
- RS-232 Port
- Remote Stop/Go Switch
- Modular Construction
- Maximum Table Feed Rate of 100 inches per minute

FEATURES & BENEFITS

• 2- or 3-axes Control/3-axes Readout

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

• Position-Trac[™]/Find Home

Easily, quickly and accurately reestablish workpiece zero after power loss.

• Immediate-part-view Graphics

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

• 10" Flat Panel, Color, LCD Display

View information instantly on MILLPWR's large, color, operator-friendly display with immediate graphic feedback.

• 3-D, Tactile-Feel, Color Keypad

Locate application-specific functions, adjust feed rates on the fly, and start/stop MILLPWR quickly and easily.

• ACU-RITE Precision Glass Scales

Depend on precision glass scales for:

- Better Accuracy
- Repeatability
- High Resolution (2 μ m/.0001")
- Fast Slew Speeds (40 inches per second)
- Closed Loop Feedback
- Elimination of Backlash Compensation
- Advanced Technology (Position-Trac)
- Proven Reliability
- Certified Calibration

• Jog Control

Move quickly from one location to another—using one axis at a time or any two axes simultaneously.

• Remote Stop/Go Switch

Start and stop movement with a hand-held switch.

• Travel Limits

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

• Menu-prompted, Conversational Programming

Easily create part programs—follow the menu prompts and let MILLPWR do the rest.

• Hard Key Milling Functions

Select routine milling functions (lines, arcs, rectangles, circles, etc.) with the press of a button.

• Skew

Save time aligning parts.

• Tool Library

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

• Tool Offsets

Enter the tool's diameter and length, and MILLPWR will automatically compensate for the tool's dimensions while machining. This allows you to program the part instead of the tool path.

• Bolthole Calculations

Calculate bolthole patterns instantly.

- Full & Partial Circles
- Linear Row/Column
- Rectangular Frame
- Rectangular Array

• Mirror/Repeat/Rotate

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

• Custom Pocket

Program a continuous closed contour that has an irregular shape for multiple passes.

• Engrave

Engrave alphanumeric references into a part vertically, horizontally, diagonally or on an arc.

• Blend

Insert a radius between two lines, two arcs, or a line and an arc.

• Explode

View program steps like bolthole patterns, engrave, repeat, rotate and mirror in more detail. Start programs at any step.

• Feed Rate Override

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

• Teach Position

Use a tool, electronic edge finder or indicator to create a program from an existing part.

• DXF File Input

Reduce programming time by loading part geometry from a CAD file.

• Edit Capabilities

Edit program steps in groups or one at a time.

• Math Functions

Perform math calculations on screen and transfer them directly into part programs.

- Standard (+, -, x, ÷)
- Trigonometry
- Geometry
- RPM

• Reference Tables

Look up drill/tap sizes and surface speeds in seconds.

