

# ACCURACY IS EVERYTHING.

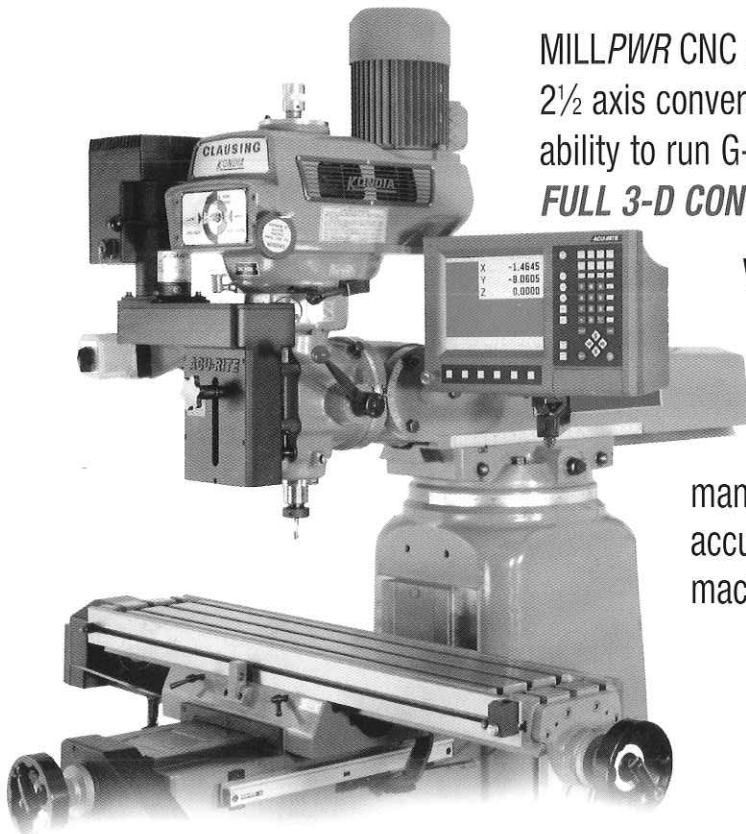
That's why **MILLPWR**® CNC SYSTEMS are Fueled by **PRECISION GLASS SCALES**

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 Evernham, Owner  
Evernham Motorsports

  
**EVERNHAM**  
MOTORSPORTS™

ACU-RITE IS AN  
ISO 9001  
CERTIFIED  
MANUFACTURER



# ACU-RITE®

RESIDENT SYSTEMS • CONTROL SYSTEMS • PRECISION GLASS SCALES

ACU-RITE Incorporated

One Precision Way

Jamestown, NY 14701

1-800-344-2311

Fax: 716-661-1888

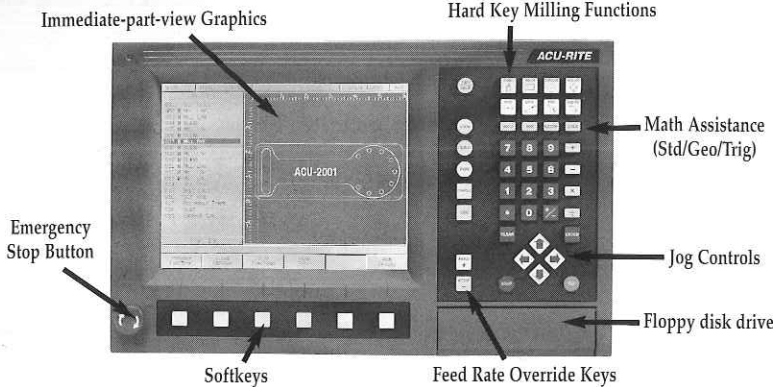
www.acu-rite.com

  
Sterling  
MACHINERY EXCHANGE

www.SterlingMachinery.com

# MILLPWR<sup>®</sup> by ACU-RITE<sup>®</sup>

## 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<sup>®</sup> Precision Glass Scales (2µm/.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<sup>™</sup>/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 (2µm/.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 hard key 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 Främe
  - 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.*



**ACU-RITE<sup>®</sup>**

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