ACU-RITE®
MILL**PWR**^{G2} Control Systems

- Status Bar
- Program List Display
- 12.1" Color Display
- Feature Dialogue Box
- Soft Key
- USB (x2)
- Milling Function Keys
- Large, 3D Tactile Keypad
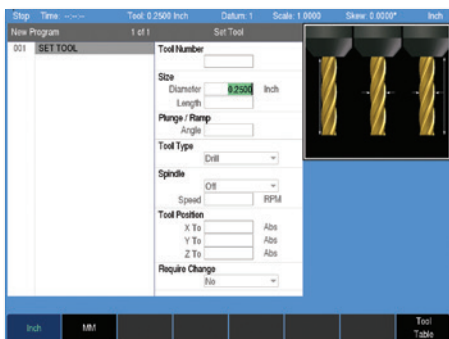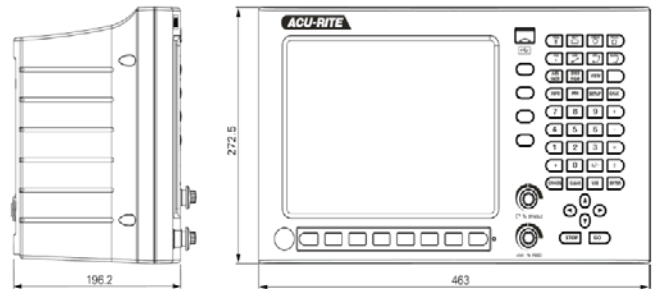- Numeric Keypad Calculator
- Spindle Speed Override (optional)
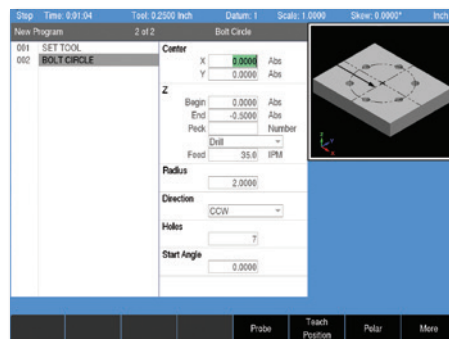- Feed Rate Override

The MILL**PWR**^{G2} is a contouring control that enables you to program conventional machining operations right at the machine in an easy-to-use conversational language. It is designed for both knee mills and bed mills with up to 3 axes of closed loop controlled.
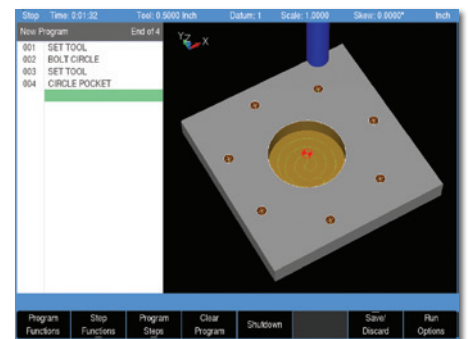

Tool Step
All programs begin with the tool. Parameters are entered in the middle column and are graphically supported in the right column for each field

Cycle Select
Select a cycle to be created. In this case, a circular bolt hole pattern. Once the data has been entered into the form press the USE hard key.

3D Graphics
Tool paths are also displayed in 3D graphics that can be rotated and manipulated. The program is ready to run. Simply press "GO."

MILLPWR^{G2} Technical Data	
DRO Mode	• Multiple Datums (Fixture Offset): 99 • Skew • Zero Reset • Near Zero Warning
PGM Mode	• Estimated Machining Time • View Graphics: **2D Line / 3D Line / 3D Solid** • Block Form w/ User Override • Custom Pocket & Islands, Ramp Feed & Optimized Path • Replication (Repeat, Rotate, Mirror) • Engrave (Line / Arc) • Program Manager Navigation Tree w/ Program Type Filter • Long Program Names • Program Preview: Listing & Graphic w/ Estimated Machining Time • Explode Step: Hole Patterns & Repeat / Rotate / Mirror • Reverse (Step / Path) • Shift Steps • Auto Save (Program) • Program Size Limit (MPT only): 9999 Steps • DXF File Import • G-code Program: w/ Graphics Support/ Simple Edit • On-Screen Help: User Manual Viewer (Text & Graphics) • Parts Counter & Clock • Manual / Auto Z Control: 3 Axes • Optional Stop (G-code Only) • Feed Override: Potentiometer • Error Compensation: Linear & Bidirectional Non-linear
Processor	1.4 GHz Dual Core Celeron® Processor
Display	12.1-inch 1024 x 768 Color LED
Internal Storage	2.5 GB CFAST (SATA) User
Remote Pendant (Stop / Go)	DC Kits Only
Remote Handwheel	AC Kits Only
Housing	Die Cast Metal Bezel & Enclosure (Back Sheet Metal)
Connections	Ethernet, USB (x2)
Accessories	• Linear Feedback for Coupling Z (Quill) and W • Electronic Edgefinder • Offline Software
Weight	~7.7 kg
Electrical Requirements	AC 100 V to 240 V (±10 %), 50 Hz to 60 Hz (±2 %)
Operating Temperature	0° to 45° C (32° to 113° F)
Storage Temperature	-20° to 70° C (-4° to 158° F)
Protection	IP 54 (Front) / IP 40 (Back)

With more than one million in use today, ACU-RITE® Precision Glass Scales withstand the elements of even the harshest machine shop environments. Built to resist changes in size, shape, or density due to temperature and humidity variations, this stability provides exceptional accuracy, resulting in tighter workpiece tolerances.

ACU-RITE® scales are available in travel lengths from 1"–120" and in resolutions from 0.5µm (.00002") to 5µm (.0002").

ACU-RITE®

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Certifications
ISO-9001, UL, CSA, CE