ACU-RITE®

MILLPWR^{G2}

2 or 3 Axes Control
3 Axes Readout

POWERFUL CONVERSATIONAL
CNC RETROFIT SYSTEM FOR
KNEE & BED MILLS

From the moment you power up your MILL**PWR^{G2}**® system, you'll know it was built with convenience in mind.

Large, full-color LCD display for exceptional clarity | Full 3D contouring capabilities | Menu-prompted conversational programming

Essential functions just a key stroke away | A full-function digital readout system or a programmable CNC control or both!

Powerful enough to handle any job | Easy enough for anyone to operate | No prior programming experience necessary

CAMPEAU ASSOCIATES
GETTING THE JOB DONE
An Authorized ACU-RITE® Distributor

(609) 268-3242
www.campeaucorp.com
15 Twin Oaks Dr. Shamong, NJ 08088

USER-FRIENDLY

SAVE VALUABLE TIME.

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.

MILL**PWR**G2 was developed specifically for machinists where manual and automated operation are both useful and needed. It's designed to maximize throughput by significantly reducing set-up time, scrap, and other non-productive operations, thereby increasing your efficiency, productivity and profitability.

A closed-looped system with positioning feedback provided by ACU-RITE precision linear encoders (1µm/0.00005" resolution), MILL**PWR**G2 also includes Position-Trac™, an advanced, unique feature that enables you to easily, quickly and accurately re-establish work piece zero after shutting down or power loss.

TOOL
Program tools by diameter, length, type, direction, speed

RECT
Pocket, frame, face, slot

CIRCLE
Pocket, frame, ring, helix

HOLES
Full/ partial circles, linear row/column, rectangular frame and array

POS
Drill, bore, position

LINE
Defined by "from" and "to" points or by angles

ARC
Defined by "from" and "to" points or by sweep, center or 3-points

BLEND
Insert a corner radius between two lines, two arcs or lines and arcs

DRO Mode	
Multiple Datums (Fixture Offset)	99
Skew	Yes
Zero Reset	Yes
Near Zero Warning	Yes

PGM Mode	
Estimated Machining Time	Yes
View Graphics	2D Line / 3D Line / 3D Solid
Block Form	Yes, w/ User Override
Custom Pocket & Islands	Yes, Ramp Feed & Optimized Path
Replication (Repeat, Rotate, Mirror)	Yes
Engrave (Line / Arc)	Yes
Program Manager Navigation	Tree w/ Program Type Filter
Long Program Names	Yes
Program Preview	Listing & Graphic w/ Estimated Machining Time
Explode Step	Hole Patterns & Repeat / Rotate / Mirror
Reverse (Step / Path)	Yes
Shift Steps	Yes
Auto Save (Program)	Yes
Program Size Limit (MPT only)	9999 Steps
DXF File Import	Yes
G-code Program	Yes, w/ Graphics Support/Simple Edit
On-Screen Help	User Manual Viewer (Text & Graphics)
Parts Counter & Clock	Yes
Manual / Auto Z Control	Yes, 3 Axes
Optional Stop (G-code Only)	Yes
Feed Override	Potentiometer
Error Compensation	Linear & Bidirectional Non-linear

Hardware	
Processor	1.4 GHz Dual Core Celeron® Processor
Display	12.1" 1024 x 768 Color TFT LCD
Internal Storage	2.5 GB CFAST (SATA) User
Remote Pendant (Stop / Go)	Yes
Housing	Die Cast Metal (Bezel & Back Sheet Metal)
Connections	Ethernet, USB (x2)
Protection	IP 54 (front) / IP 40 (Back)

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 an irregular contour with multiple passes and finish passes.

TOOL PATH ESTIMATION To help reduce machine time and assist with quotes. 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/REVERSE PATH Switch the end points and tool offset of any step or path.

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

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. Spindle speed override in optional spindle control console.

REFERENCE TABLES Look up recommended 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.

Options

UPGRADE Upgrading from an old MILL-PWRII to MILL**PWR**G2 only requires the new G2 console and mounting arm.

OFFLINE SOFTWARE This allows you to create programs on a Windows compatibile PC and permits those programs to be loaded into the MILL**PWR**G2 via USB or ethernet.

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