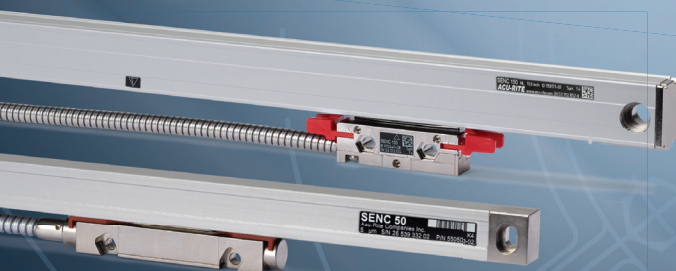


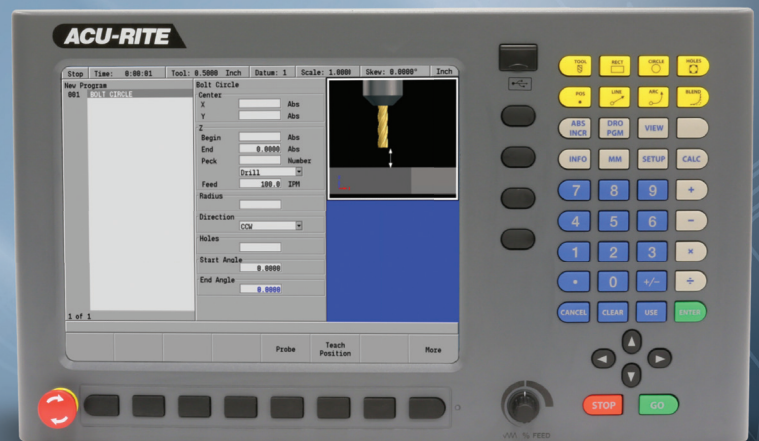
ACU-RITE®

What's in your shop?

ACU-RITE's complete line of performance-driven Digital Readout Systems for all of your manual machine applications: Milling, Turning, Grinding, Boring, EDMs



Precision Linear Encoders



MILLPWR^{G2} CNC Retrofit Packages for Knee and Bed Milling Machines



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For nearly 50 years ACU-RITE has represented the finest-quality readout systems, precision glass scales and CNC controls.

We offer a broad range of products designed and manufactured in the USA, in facilities that are ISO 9001 certified, and are part of the HEIDENHAIN family of companies — a global leader in precision measurement technologies and systems, supporting its customers with a world-class service and support network.

MILLPWR^{G2}



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)

Digital Readouts



Common Functions	DRO100	DRO203	DRO300
Number of Axes	1, 2 or 3	3	3 or 4
Display	7" TFT Color	7" TFT Color	7" TFT Color
Data Interface	USB Type C	USB Type C	USB Type C
Job Clock (Stop Watch)		•	•
Feed Rate Display	•	•	•
Multiple Language Supports	•	•	•
Absolute/Incremental	•	•	•
Graphic Pos aid for Near Zero Warning with Graphics		•	•
Help Function	•	•	•
Tool Offsets / Diameter		16	100
Preset and Zero Reset	Zero Reset	•	•
4 Function Calculator / Trig Calculator / rpm		•	•
Instant Inch / mm Conversion	•	•	•
Position-Trac™ (Recalls last data after power loss) / RM	•	•	•
Advanced Skew Compensation			•
Multiple Datums		•	•
Multiple Display Views			DRO 1 & 2 & 3
Part Program Storage (Import, Export) 10			•
Scale Factor (Allows for Part Shrinkage / Expansion)		•	•
Counter Diagnostics	•	•	•
Encoder Input Linear or Rotary	•	•	•
Linear / Segmented Non-Linear Compensation up to ±99,999rpm	1-seg	•	•
Backlash Compensation		•	•
Remote Switch allows data output, remote zero and next step			•
Measured Value Out allows data to be output when probing			•
I/O (6 Input / 10 Output) Option			•
Day / Night (Display Mode)	•	•	•
Installation Guide	•	•	•
User Management	•	•	•
Dynamic Zoom / Axis Highlight	•	•	•
File Management (Import, Export)	•	•	•
System Information	•	•	•

Milling Specific Functions

Bolt Hole (Circle and Linear) Pattern Calculations with Graphics	•	•
Centerline Calculation (workpiece zero, midpoints and circle center)	•	•
Mill Line Function	•	•
Mill Arc Function	•	•
Edgefinder / Touch Probe Input		•
Spindle Control Interface Option		•

Turning Specific Functions

Lock Axis Feature (Establish tool offsets under load)	•	•
Instant Radius / Diameter Conversion	•	•
Taper Calculator & Taper Ratio	•	•
Vectoring	•	•
Thread Assist Cycle		•
CSS (Constant Surface Speed) Option		•