ACU-RITE®

TURNPWR Control Systems

Status Bar

Program List Display

12.1" Color Display

Soft Key

USB (x2)

Turning Function Keys

Large, 3D Tactile Keypad

Numeric Keypad Calculator

Spindle Speed Override

Feed Rate Override

272.5

196.2

463
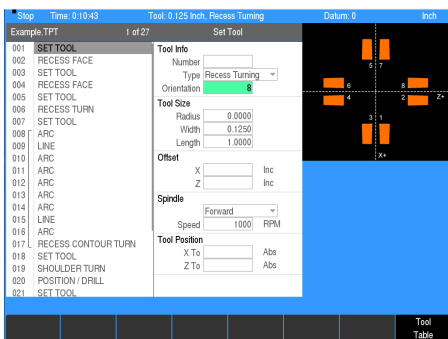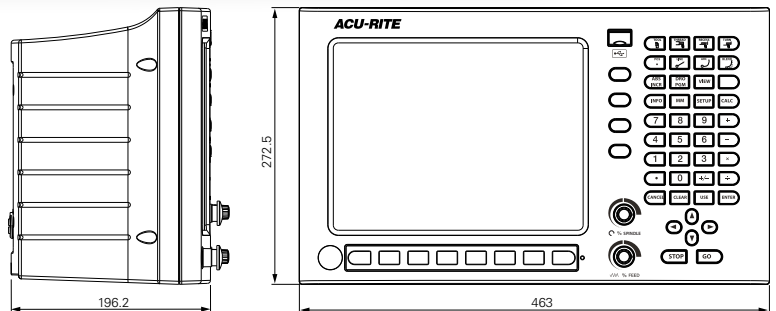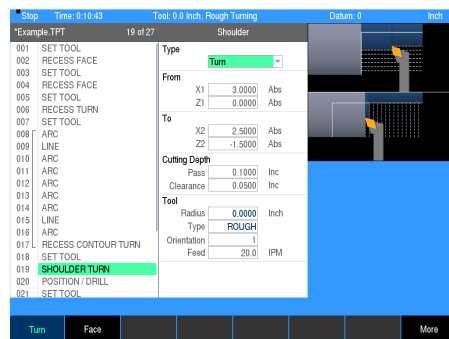
The TURNPWR is a contouring control that enables you to program conventional machining operations right at the machine in an easy-to-use conversational language.
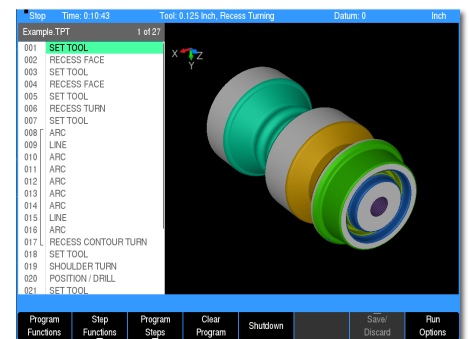
Tool Step
All programs begin with the tool. Parameters are entered in the middle column and are graphically supported in the right column for each field

Cycle Select
Select a cycle to be created. In this case, a shoulder turn cycle. 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."

TURNPWR Technical Data

DRO Mode	• Multiple Datums (Fixture Offset): 99 • Zero Reset • Near Zero Warning
PGM Mode	• Thread Cycles, Recess Cycles, Turning Cycles • Position / Drill, LINE, ARC, BLEND (Blend / Chamfer) • Estimated Machining Time • View Graphics: 2D Line / 3D Line / 3D Solid • Block Form w/ User Override • Replication (Repeat) • Comment Step - Event comments • Program Manager Navigation Tree w/ Program Type Filter • Long Program Names • Program Preview: Listing & Graphic w/ Estimated Machining Time • Explode Step: Repeat • Reverse (Step / Path) • Shift Steps • Auto Save (Program) • Program Size Limit (TPT 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 • 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 Handwheel	Standard with AC kits
Housing	Die Cast Metal Bezel & Enclosure (Back Sheet Metal, Kit Style Console)
Connections	Ethernet, USB (x2)
Accessories	• Linear Feedback • 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) (Kit Style Console)

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