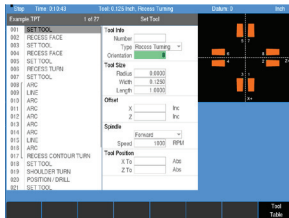
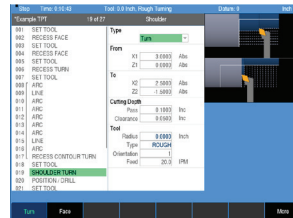


TURNPWR

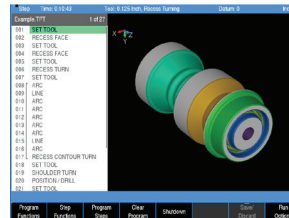
Turning CNC Control



Tool Step



Cycle Select



3D Graphics

Intuitive Turning-Oriented CNC System

The **TURNPWR** CNC control is for turning machine tools with up to 2 axes plus spindle. Use it to program manual and automated operations right at the machine in a simple conversational language. Retrofit with 100+ machine makes and models to improve function and lifespan without a significant investment.

More Consistency and Fewer Mistakes

The **TURNPWR** provides accurate real-time feedback on tool position and movement to significantly reduce setup time, scrap, and other non-productive operations.

Improved Time and Cost Savings

The **TURNPWR** is exceptionally powerful yet easy for machinists of all experience levels to set up, learn, and operate. Produce superior workpieces while saving on time and cost.

Reliability in Every Turning Application

Designed and built in the USA, the **TURNPWR** has a durable construction that stands up to even the harshest machine shop environments.

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 & Bi-directional 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 Edge Finder Offline Software | |
| Dimensions | 463 mm x 272.5 mm x 196.2 mm | |
| 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) | |



Acu-Rite Solutions creates precision CNC control and digital readout systems that accelerate efficiency and capability for manual machine tool operators. Our advanced technologies are backed by the continuous innovation of HEIDENHAIN and are designed, built, and supported in the USA. acu-ritesolutions.com



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Pair an Acu-Rite Solutions CNC control or digital readout with a durable linear encoder. Our precision glass scales provide repeatable, accurate feedback in even the harshest environments.