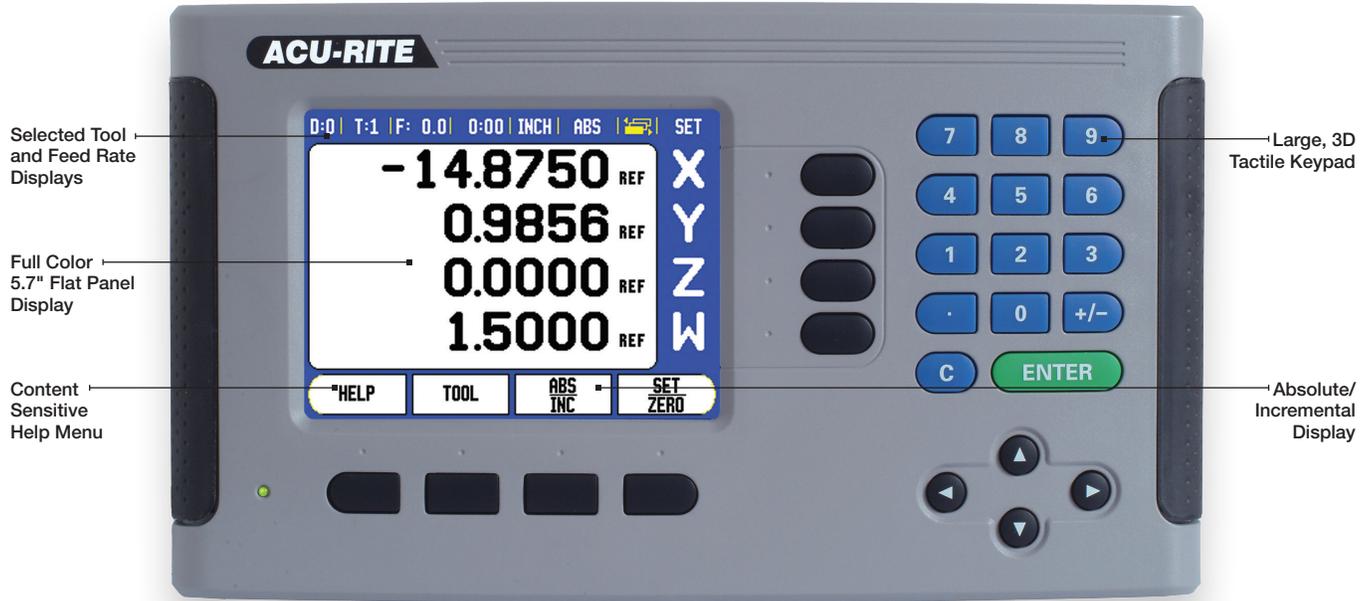
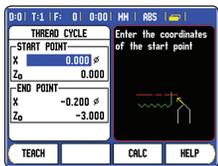


# ACU-RITE®

## 300S LCD Digital Readout Systems



The most complete digital readout system in the machine tool marketplace, the 300S has full part program capability, 99 tool offsets and multiple DRO displays along with standard input/output capability and edgfinder probe support all on an easy to read color flat panel display. Designed and manufactured in the USA, ACU-RITE readouts are the first choice of machine tool builders and users alike.



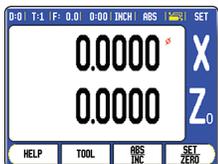
### Turning Applications

Simplify cutting metric threads on lathes with English leadscrews with thread assist.



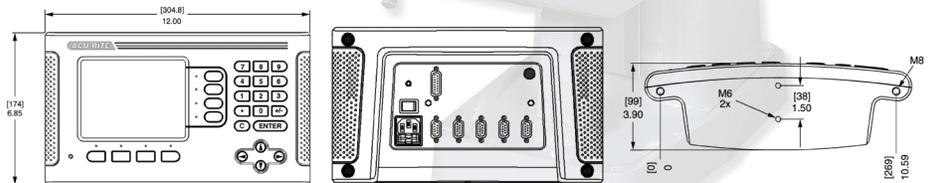
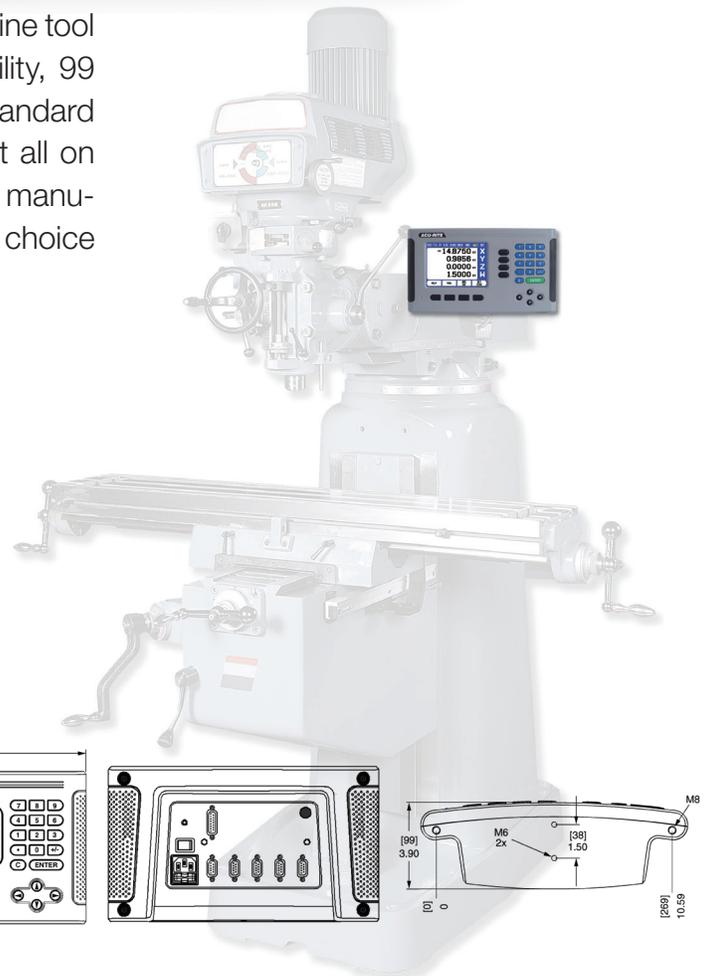
### Milling Applications

Menu driven input for arc milling, graphic display of tool position thru arc.

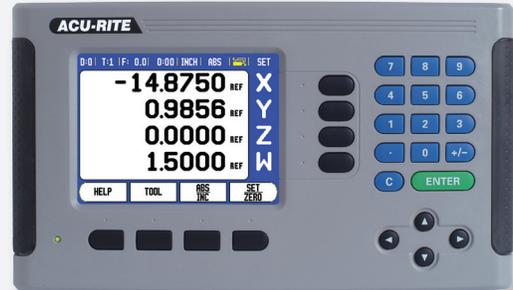


### Grinding Applications

Multiple display views and resolutions to support close tolerance work.



300S Technical Data	
<b>Display</b>	<ul style="list-style-type: none"> <li>• 2, 3 or 4 Axes</li> <li>• 5.7" Full-Color Flat Panel Display</li> </ul>
<b>Common Functions</b>	<ul style="list-style-type: none"> <li>• Multiple Display Views - DRO1 &amp; DRO2</li> <li>• Program Storage</li> <li>• Advanced Skew Compensation</li> <li>• Job Clock</li> <li>• Feed Rate Display</li> <li>• Multiple Language Support</li> <li>• Absolute/Incremental</li> <li>• Near-Zero Warning with Graphics</li> <li>• Help function</li> <li>• 99 Tool Offsets/Diameter</li> <li>• Preset and Zero Reset</li> <li>• 4 Function Calculator/Trig Calculator</li> <li>• Instant Inch/mm Conversion</li> <li>• Position-Trac™ Home Reference System</li> <li>• Linear/non-linear compensation up to ±9,999 ppm</li> </ul>
<b>Milling Specific Functions</b>	<ul style="list-style-type: none"> <li>• Bolthole Pattern Calculations with Graphics (<i>full and partial circles/linear patterns</i>)</li> <li>• Centerline Calculation <i>establish workpiece zero and midpoints</i></li> <li>• Edge finder/touch probe input</li> <li>• Mill Line Step, Mill Arc Step</li> </ul>
<b>Turning Specific Functions</b>	<ul style="list-style-type: none"> <li>• Lock Axis Feature <i>establish tool offsets with the tool under load, resulting in reduced tool deflection.</i></li> <li>• Instant radius / diameter conversion</li> <li>• Taper calculator, Vectoring</li> <li>• <b>INCLUDES</b> Thread Assist <i>simplify cutting metric threads on lathes with English leadscrews</i></li> </ul>
<b>Options</b>	<ul style="list-style-type: none"> <li>• CSS (Constant surface speed), I/O (Input/Output)</li> <li>• Multiple Scale Coupling Box</li> <li>• Electronic Edgefinder</li> <li>• DRO handle kit, mounting arm, mounting frame</li> </ul>
<b>Construction</b>	Die-Cast Metal
<b>Weight</b>	4.85 lbs.
<b>Data Interface</b>	RS-232-C/V.24 Serial Port
<b>Electrical Requirements</b>	<ul style="list-style-type: none"> <li>• Voltage of 100-240 VAC.</li> <li>• Power of 30 VA max.</li> <li>• Frequency of 50/60 Hz (+/-3Hz)</li> </ul>
<b>Operating Temperature</b>	0° to 45° C (32° to 113° F)
<b>Storage Temperature</b>	-20° to 70° C (-22° to 158° F)



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").



 **Certifications**  
ISO-9001, UL, CSA, CE

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# ACU-RITE®

**HEIDENHAIN CORPORATION**

333 East State Parkway  
Schaumburg, IL 60173-5337 USA

 (847) 490-1191

 (847) 490-3931

 [info@heidenhain.com](mailto:info@heidenhain.com)

[www.acu-rite.com](http://www.acu-rite.com)