

## THE #1 BRAND OF READOUT SYSTEMS AROUND THE WORLD

Designed with an easy-to-view, 9-inch CRT, a 3-D color keypad and built-in reference tables, the ACU-RITE® VRO 300M is equipped to maximize your productivity for any milling application.

## Features

- Enhanced bolthole pattern calculations (row, frame, array, full and partial circles)
- Canned functions for common milling routines (lines, frames)
- Immediate-part-view graphics
- Position-Trac™, a unique feature that lets you easily, quickly and accurately reestablish workpiece zero after power loss
- Programming
- Teach Position
- Built-in quick reference tables for drilling, tapping and surface speeds
- Advanced functions such as repeat, rotate, mirror and explode
- Centralized 1-axis to 6-axes display
- Preset and zero reset
- Graphic near-zero warning
- Instant inch/mm conversion
- 99-segment linear error compensation
- Electronic edge finder input

This operator-friendly readout system reduces setup time and increases throughput with an application-specific feature set that includes:



## RETURN ON INVESTMENT

$$\text{Average Payback Time} = \frac{I}{(A \times B \times C)} = \frac{\$5878}{(50 \times 8 \times .57)}$$

Where:

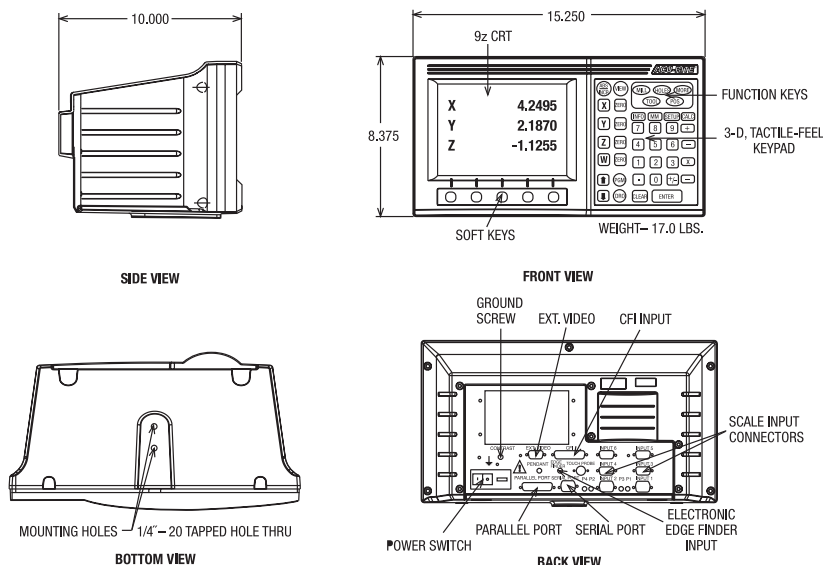
- I = dollars invested
- A = machine revenue in \$/hour
- B = hours per day worked
- C = percentage increase in productivity

Calculation based upon a 72" x 72" x 90" horizontal boring mill with 10µm (.0005") resolution.

**Average  
Payback  
26 days**

## SALES & SERVICE:

**A Tech Authority, Inc.**  
13745 Stockton Ave.  
Chino CA 91710  
909-614-4522  
sales@atechauthority.com



## TECHNICAL SPECIFICATIONS

### FLEXIBILITY/REDUCED SETUP

	VRO 300M
Shrinkage/Expansion Multiplier (Scale)	✓
Position-Trac™	✓
Battery Backup	
Recall Function	
Immediate-part-view Graphics	✓
Home Reference	✓
Electronic Edge Finder Input	✓
Automatic Scale Resolution Detection	✓
Number of Axes	1-6
Number of Display Resolutions	Multiple
Absolute/Incremental Display	✓
Inch/mm Conversion	✓

### INCREASED PRODUCTIVITY

	VRO 300M
Bolthole Patterns	
Full & Partial Circles	✓
Linear Row/Column	✓
Frame	✓
Array	✓
Milling Functions (Lines, Frames, etc.)	✓
Centerline Calculation	✓
Tool Offsets	99
Programming	✓
Teach Position	✓
Advanced Functions (Mirror, Rotate, etc.)	✓
Preset	✓
Reference Preset	✓
Zero Reset	✓
Near-zero Warning	✓ (graphic)

### RELIABILITY

	VRO 300M
Construction	Die-cast Metal
Weight	17.0 lbs.

### EASE OF USE

	VRO 300M
Key Legends	Words & Symbols
Keypad Technology	Sealed 3-D Tactile Feel
Display Technology	9" CRT
Conversational Message Prompts	✓

### ACCURACY & WORKPIECE QUALITY

	VRO 300M
Linear Error Compensation	99 Segment with Auto Calc.
Speed/Feed Rate Display	✓
Tables (Drill & Tap Sizes, Surface Speeds, etc.)	✓

### MISCELLANEOUS

	VRO 300M
RS-232 Interface	✓
Control Function Interface (CFI)	Optional
Switchable Count Direction	✓
Self Diagnostics	✓
Job Clock	✓

NOTE: Features and specifications are subject to change without notice and/or obligation.  
Your ACU-RITE representative is your best source for up-to-date information.

**ACU-RITE IS AN  
ISO 9001  
CERTIFIED  
MANUFACTURER**



# ACU-RITE®

READOUT SYSTEMS • CONTROL SYSTEMS • PRECISION GLASS SCALES

One Precision Way • Jamestown, NY 14701 • Tel: 1.800.344.2311 • Fax: 716.661.1888 • [www.acu-rite.com](http://www.acu-rite.com)

All **ACU-RITE®** products are designed and manufactured in ACU-RITE's ISO 9001 certified facility. They are designed to UL/CSA/CE specifications and are backed by a comprehensive 3-year warranty.



Made in USA

## SERVICE & SUPPORT

ACU-RITE maintains a strong worldwide authorized distribution network of fully trained and qualified personnel to provide quality sales and service support. ACU-RITE's authorized distribution network is readily available to provide prompt delivery, thorough product training and skilled technical service.

## ADDITIONAL PRODUCTS

ACU-RITE offers a complete line of readout systems for other applications, including turning, grinding and EDMing. In addition, ACU-RITE also manufactures control systems. Contact ACU-RITE or your local representative for more information.



## ACU-RITE'S GLASS SCALE TECHNOLOGY DEFINES PRECISION POSITIONING

- With more than one million scales in use today, ACU-RITE® precision glass scales are proven to withstand a variety of harsh conditions found in machine shop environments.
- ACU-RITE's precision glass scales resist changes in size, shape or density due to temperature and humidity variations. This stability provides exceptional accuracy down to  $\pm 1.5\mu\text{m}$  (.00006"), resulting in tighter workpiece tolerances.
- ACU-RITE scales are available in travel lengths from 1" - 773" and in resolutions from  $0.5\mu\text{m}$  (.00002") to  $10\mu\text{m}$  (.0005").

