



**Computer Weld
Technology, Inc.**

VSA-2000™

VERTICAL SLIDE ASSEMBLY

VSA-2000™ SERIES SLIDES

Computer Weld Technology's VSA-2000™ is a precision, linear motion control device that provides exacting vertical movement for torch-to-work positioning. The vertical slide assembly is intended to be used with Computer Weld Technology's MSC-1000™ Micro-step Controller which provides the necessary control functions and drive power to the stepper motor drive. The ball screw drive design with linear ball rail system, provides high load carrying capability, smooth operation, superior response and excellent repeatability. All of these attributes combine to make the VSA-2000™ an ideal tool for use with automatic systems and automated welding applications.



The user can regulate the slide center position, stroke width, vertical speed control and enable programmed positioning for the purpose of employing automatic torch-to-work tracking for all welding processes..

See Note

NOTE: Functions available only when used with MSC-1000™ control.

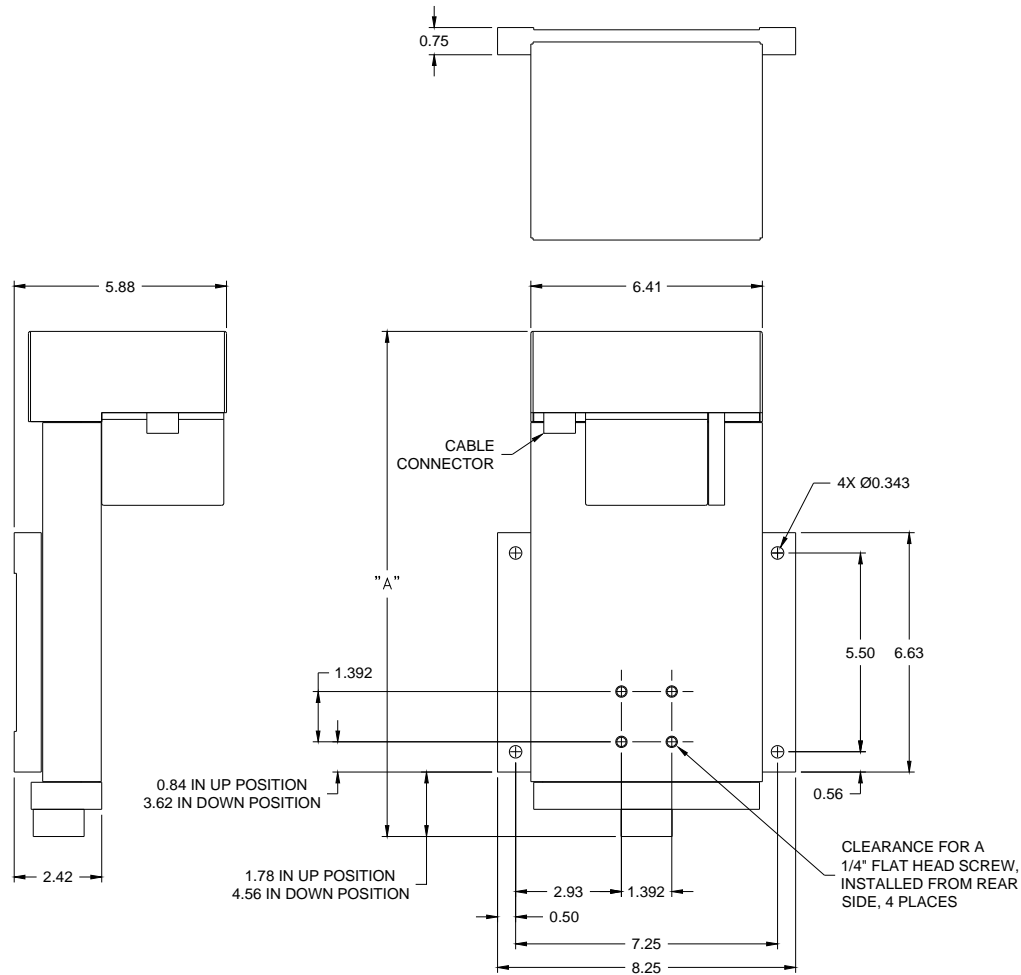
FEATURES

- Accurate positioning
- Compact / lightweight design
- Stepper motor drive
- Ball screw drive
- Parallel Linear Ball Rail System
- Automatic power down brake

BENEFITS

- Provides repeatability for critical applications
- Usable in confined areas for multiple applications
- Low maintenance cost
- High load carrying capability
- Provides long life and low maintenance cost
- Assures slide does not move when power is removed

VSA-2000™ SPECIFICATIONS



	SLIDE LENGTH	"A" DIM.	SLIDE WEIGHT
VSA-2003	2.75" (6.99cm)	13.98" (35.51cm)	17.00 lbs (7.71kg)
VSA-2008	7.50" (19.05cm)	18.70" (47.50cm)	22.00 lbs (9.98kg)
VSA-2012	12.00" (30.48cm)	23.43" (59.51cm)	26.00 lbs (11.79kg)

MECHANICAL SPECIFICATIONS

Load Capacity:	100 lbs (45.36kg), 6.00" (15.24cm) from slide face
Slide Weight:	*See Table Above
Stroke Length:	2.75" (6.99cm), 7.50" (19.05cm), 12.00" (30.48cm)
Travel Length:	Maximum slide length
Travel Velocity:	0.02" (0.5cm) to 1.50" (3.81cm) / second
Position Resolution:	0.002" (0.5cm)
Position Accuracy:	0.004" (0.01cm)
Operating Temperature Range:	-30°F (-34°C) to 150°F (65°C)
Brake System:	Automatic power down brake

Note: Specifications subject to change without notice.