

Accurate. Affordable. Portable. Each MicroScribe M system provides a cost-effective alternative to traditional coordinate measurement machines (CMMs) for manufactured parts inspection, high-accuracy reverse engineering, and position tracking. The system supplies metrology-level accuracy in an easy-to-use articulated arm and seamless integration with many popular metrology, reverse engineering, and 3D design software applications.

MLX - MX



PRECISION MADE



ONE HAND USE



MicroScribe® M

PRODUCT OVERVIEW

The Right Tool and Price

The MicroScribe M portable measurement system supplies economical CMM functionality. With metrology-level accuracy, this system enables cost-effective inspection of many manufactured parts and reverse engineering projects. Now you can have the 3D data collection efficiency of coordinate measurement systems at an affordable price.

Fast, Efficient, Solid

The MicroScribe M system is a precision-built aircraft aluminum and carbon fiber tool designed for quick, balanced movements. Smooth action and one-hand operation makes it easy to complete measurement jobs faster while improving accuracy. The counter-balanced and intuitive articulation of the arm allows you to quickly position the stylus into even tight spaces. Optional probe tips further support fast and accurate measurement of many parts and materials.

The MicroScribe M system seamlessly integrates with many measurement and inspection software packages. Unlike other CMMs that provide limited third-party software integration, MicroScribe technology frees you to choose the software that's right for your business. An available software developer's kit (SDK) provides all of the utilities and information needed to create unique programs and utilities. With the fast operation and ease of use provided by the MicroScribe M system, you can do more projects in-house and avoid the increased cost and protracted turnaround associated with outsourcing.

Accurate and Easy to Use

MicroScribe M systems are calibrated according to Revware's Tri-Test Calibration method based on the American Society of Mechanical Engineers' B89.4.22

specifications for the performance evaluation of articulated-arm CMMs. All systems ship with two M4 threaded, 3 mm ruby ball tips (one master and one working). Convenient probe calibration software is included allowing the use of custom tips and rapid tip changing. MicroScribe M systems are CE and FCC certified, and come with a standard warranty.

Setting up the MicroScribe M for use is quick and easy. Mount the base to a work surface or set the clamp system wherever you need it.

Highlights

- The right accuracy at the right price
- Available in five or six degrees of freedom
- Fast and easy, click-and-go operation – minimal training needed
- Portable – weighs as little as 12 pounds (5.4 kg)
- Optional case for easy travel
- Optional mounting hardware and accessories

Software Solutions

Seamless integration with premier reverse engineering and metrology software is available at several levels of support. Visit our web site for the most up-to-date compatibility list. In addition, MicroScribe Utility Software (MUS) allows data acquisition for some applications that do not provide native support. Select features include:

- Calibration routine lets you calibrate and use most M4 thread probe tips
- Data streaming lets you collect points automatically, at a time or distance you specify
- Custom reference frame for defining the physical workspace

MicroScribe® M

PRODUCT FEATURES

USB 2.0 CONNECTION



6 DEGREE OPTION



ACCESSORIES



OPTIONAL CARRY CASE



MicroScribe System	MX	MLX
Reach	25 in (.63m)	33 in (.84m)
Work sphere diameter	50 in (1.27m)	66 in (1.67m)
Degrees of freedom	5,6	5,6
Spherical diameter test (As specified in the ASME B89.4.22 draft specifications for Effective Diameter)	+/-0.0020 in (0.0508 mm)	+/-0.003 in (0.0762 mm)
Weight	12.0 lb (5.4 kg)	13.3 lb (6.0 kg)
Universal power supply	(100V – 240V)	
Connectivity	USB 2.0	
OS compatibility	Windows XP, 7, 8, 10	
Operating temp	59 to 95°F (15°C to 35°C)	
Storage temp	-4 to 158°F (-20°C to 70°C)	
Operating humidity	10-90% non-condensing	

Included Accessories

- MicroScribe Utility Software (MUS)
- Limited manufacturer warranty
- Certificate of Calibration
- USB cable
- Universal power supply (with country-specific IEC cable)
- Two 3 mm ruby ball probe tips, M4 threaded
- Tip calibration fixture
- Hand switch
- User's guide

Optional Accessories

- Additional probe tips
- Rugged carry case
- Dual foot pedal
- Mounting plate
- Magnetic mounts
- Work surfaces
- Software
- Annual recertification

About Revware

Revware develops software and hardware technologies which improve the way people collect physical information key to their business process. Revware MicroScribe products are the fast, flexible way to capture 3D measurements from a physical model. The MicroScribe M family of portable measurement systems offers superb flexibility and metrology-level accuracy at the right price for many reverse engineering, inspection, and modeling projects.



MicroScribe M

MicroScribe MLX

