23342 Madero Rd, Suite E
Mission Viejo, CA 92691
Phone: 800.222.3528
www.doxcalibration.com

CMM CERTIFICATE OF CALIBRATION

CUSTOMER IDENTIFICATION

Customer name: DOX Calibration
Contact name: Joseph Mongelluzzi
Calibration Address: 23342 Madero Road, Mission Viejo, CA 92691
Model: Mitutoyo - B-707
Serial No.: 0072604
Date: 03/31/2005
Temp. Range °F: 72.1 - 72.5

Cert. No.: 4205033101
P.O. No.: 123456
Units: millimeters
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PERPENDICULARITY / VOLUMENTRIC

	Before	After
X/Y =	+ .00300	+ .00140
Y/Z =	+ .00300	+ .00140
Z/X =	+ .00300	+ .00140
Ballbar Range:	20	
Ballbar/Square:	Ballbar	
No. Of Positions:	20	

LINEAR ACCURACY

	Before	After	Over
Repeatability:	.00110	.00110	
X-Axis:	+ .00550	+ .00110	+ 700.00000
Y-Axis:	+ .00550	+ .00110	+ 700.00000
Z-Axis:	+ .00550	+ .00110	+ 500.00000
W-Axis:			

EQUIPMENT VERIFICATION DATA

	Serial No.	Calibrated	NIST No.	Uncertainty
Webber bar:				
Sphere:				
Sphere:				
Laser:	4205	11/12/2004	821/270052-04	.000000036"
Square:				

NOTES: The calibration performed is in compliance with ASME B89.4.1-1997 and ISO/IEC 17025:1999(E). The estimated Uncertainty of Measurement represents expanded using a coverage factor of K=2 which provides a level of confidence of approximately 95%. It is a combination of the uncertainty of the artifacts (masters) (Type 'B'), machine and operator (Type 'A'), and is stated in the units of mesurement. This certificate and supplements shall not be reproduced except in full without written approval of DOX Calibration.

**Does machine meet original manufacturer's specification? YES (if no, see attached supplement for details and recommendations)

Measured by: 42

Approved by: Stephen Alger, VP Operations

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SAMPLE