



**Alliance Metrology, Inc.**  
10550 County Road 81, Suite 115  
Maple Grove, MN 55369  
[www.alliancemetrology.com](http://www.alliancemetrology.com)  
Phone: (763)-493-0026 Fax: (763)-493-0089  
E-mail: [info@alliancemetrology.com](mailto:info@alliancemetrology.com)

## Carl Zeiss Eclipse 2840-24 DCC C90 CMM

Serial # CMM961203005

### Features:

- Pre-Owned Machine, Fully Re-Furbished and in Excellent Condition
- Thermally Stable Granite Bridge Design with High Dynamic Rigidity
- 28" x 40" x 24" Measuring Range
- Ceramic X and Z, Granite Y Guide Ways with Frictionless Pad and Box Type Air Bearings
- Black Granite Table with Threaded Inserts
- **New CMM-Manager Standard "CAD Import" Measurement Software**
- **New Pentium Core2 Quad Computer System, 23" LCD Display, Win XP Pro**
- **Zeiss ST Probe, 3 Station Change Rack, Stylus and Plates**
- **High Volumetric Accuracy of .00038"** and Repeatability of .00008"\*
- **Manufacture Date: 1996**, Price when new was approx. **\$ 128,000.00**
- Measuring System: Photoelectric, Optical Encoder System with Renishaw Scales on each Axis, Resolution of .00002" / .0005 mm

<p><u><i>Measurement Travels:</i></u></p> <ul style="list-style-type: none"><li>• X-axis travel = <b>28"</b></li><li>• Y-axis travel = <b>40"</b></li><li>• Z-axis travel = <b>24"</b></li></ul>	<p><u><i>Accuracy Specifications:</i></u></p> <ul style="list-style-type: none"><li>• Linear Accuracy, X, Z Axis = .00018" *</li><li>• Linear Accuracy, Y Axis = .00022" *</li><li>• Volumetric Accuracy, 3D = .00038" *</li><li>• Repeatability, Per Axis = .00008" *</li></ul> <p><small>* Accuracy Specifications Per ANSI / ASME B89.1.12m Definitions</small></p>
--	--

Complete System Price

\$ 46,500.00

### Equipped With:

Zeiss ST Probe, 3 Station Change Rack, Stylus and Plates and Calibration Sphere  
 Pentium Core2 Quad Computer System, Windows XP Pro, 23" LCD Display, H. P. Inkjet Printer  
 Oil-Water-Particle Separator Filter & Air Regulator  
 Carl Zeiss X,Y,Z Joystick / Axis Control Box and C90 DCC / CNC Controller  
 Machine Stand, Rubber Vibration Dampening Pads and Leveling Bolt Floor Pads

### Installation and Calibration:

- CMM Setup and ISO Calibration / Certification\* \$ 1,237.00  
*\*Travel time and expenses additional*

### Operator / Programmer Software Training:

- CMM-Manager DCC Software Training at Customer Site\* Per Day \$ 950.00  
*-Price per Day - 2 Days Recommended (up to Three Persons)*  
*\*Travel time and expenses additional*

### Certification and N.I.S.T. Traceability Statement:

We will provide a complete Certificate of Calibration for the above Machine upon completion. This certificate shall show N.I.S.T. Traceability of each Reference Artifact that we use to evaluate and adjust the equipment. Performance results are published on the certification relative to these Reference Artifacts in the ANSI / ASME B.89.1.12M format of evaluation

*Alliance Metrology Inc. is ISO 9001:2008 certified (certificate number A011808)*

### Machine Dimensions and Specifications:

- Overall Height = 104"
- Overall Width = 67"
- Overall Length = 73"
- Clearance Under Bridge = 28"
- Maximum Work Piece Size = 36" x 53"
- Maximum Distributed Work Piece Weight = 2040 lbs
- Approximate Machine Weight = 4200 lbs

### Air & Electrical Requirements:

- Electrical = 120 Volt / 20 Amp Dedicated Line (Recommended)
- Air Supply = 80 PSI @ 3-4 CFM, Clean and Dry
- *6 Month CMM Mechanical / Electronics Parts Warranty*
- *12 Month New Components and Software Updates Warranty*
- *Availability / Delivery: 3-4 Weeks ARO and Down Payment*
- *F.O.B: Maple Grove, MN (Buyer Responsible for Shipping)*
- *Buyer Responsible for Applicable Taxes*

**Installation and Calibration:**

- CMM Setup and ISO Calibration / Certification\* \$ 1,237.00
- We will include Introductory Software Training at time of installation  
\*Travel time and expenses additional

**Software Training:**

- Software Training at Customer Site\* \$ 950.00  
-Price per Day: 2 Days Recommended (up to Three Persons per Session)  
\*Travel time and expenses additional

**Certification and N.I.S.T. Traceability Statement:**

We will provide a complete Certificate of Calibration for the above Machine upon completion. This certificate shall show N.I.S.T. Traceability of each Reference Artifact that we use to evaluate and adjust the equipment. Performance results are published on the certification relative to these Reference Artifacts in the ANSI / ASME B.89.1.12M format of evaluation

*Alliance Metrology Inc. is ISO 9001:2000 certified (certificate number A011898)*

**Machine Dimensions and Specifications:**

- Overall Height = 108"
- Overall Width = 56"
- Overall Length = 76"
- Clearance Under Bridge = 27.5"
- Maximum Work Piece Size = 36" x 53"
- Maximum Distributed Work Piece Weight = 1620 lbs
- Approximate Machine Weight = 3400 lbs

**Air & Electrical Requirements:**

- Electrical = 120 Volt / 20 Amp Dedicated Line (Recommended)
- Air Supply = 80 PSI @ 3-4 CFM, Clean and Dry

**Experience + Extra Effort + Ethics = Excellence**