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Product Brochure For M008

Easson Optical Projector - EP-2010

315mm Optical Screen



ORDER CODE:	M008
MODEL:	EP-2010
Table Dimensions (mm):	350 x 170
Glass Dimensions (mm):	225 x 120
X Measurement Travel (mm):	200
Y Measurement Travel (mm):	100
Z Focusing Travel (mm):	90
X, Y Readout Resolution (mm):	0.001
Axial Measuring Accuracy (um):	(3+L/100)um
Screen Diameter (mm):	315
A Readout Range (deg):	0-360º
A Readout Resolution (deg):	0.01º
Max. Contour Distortion (%):	0.08%
Lens Magnification:	10X
Lens Visible Field (dia) (mm):	30
Lens Object Focal Distance (mm):	73

Description

EASSON EP-2010 HIGH PRECISION OPTICAL PROJECTOR
EP-2010 high precision optical profile projector provides accurate 2D measurement for all common geometric features such as circles, lines, angles etc. All measured results can be printed or transferred to computer for further processing.
The EP-2010 Optical Projector is designed for all circulate dimension measurements in mould and die making, form tool making, screw manufacturing, gear manufacturing etc.
Constructed with top class components and under high standard of workmanship, EP-2010 achieves very high measurement accuracy. The axial measurement accuracy is 3+L/100um, where L is the measured length in mm. The total contour distortion is less than 0.08%.
EP-2010 is equipped with ES-12P 1um resolution high accuracy measuring system which provides comprehensive and easy to use geometric measurement functions.

ES-12P GRAPHIC MEASURING SYSTEM SPECIFICATIONS
AXIS: X, Y axis liner transducer. A axis rotary encoder
RESOLUTION: 0.001mm (X,Y axis) / 0.01º (A axis)
CO-ORDINATES: X, Y and Polar Co-ordinates Systems
MEMORY: 99 feature memory, 10 co-ordinates memory
ERROR COMP: Linear and non-linear error compensation
I/O INTERFACE: RS-232C I/O interface

GEOMETRIC MEASUREMENT FUNCTIONS
Basic measurement functions: point, line, angle, circle, ellipse, distance, angle, intersection
* Pattern measurement function: Midpoint, circle tangent lines, line circle intersection, circles intersection, midline
* language can be setting to English, Italy, German, French, Portuguese, Spanish, Chinese, Czech
* Words and background color of screen can be setted

STANDARD ACCESSORIES
- Thermal Printer
- ES-12P Projector Digital Readout
- Precision Rotary Table
- Precision Lens 10x

ERGONOMIC DESIGN MACHINE BASE
To make the EP-2010 the most comfortable projector to operate, EP-2010 has two options of machine base available for the user's choice. The standing operate machine base is best for shop floor usage where users are using the projector for measuring small quality of work piece individually. The sitting operate machine base is best for QC room usage where small numbers o users have to measure large quantity of work piece efficiently.

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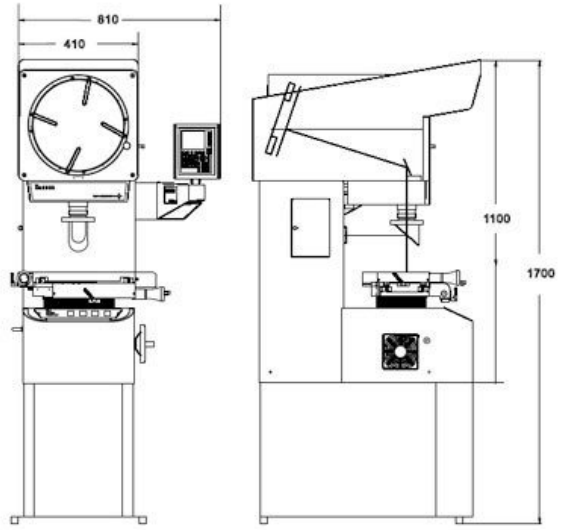
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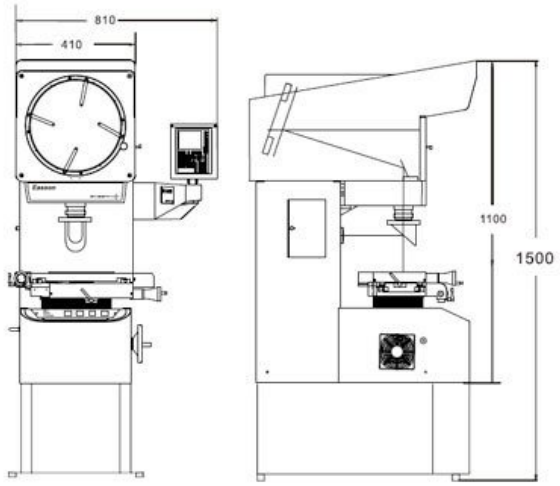
Features

- Table glass size 225 x 125mm
- Measurement travel 200 x 100mm
- 315mm Screen diameter
- 10x, 20x and 50x lens available (standard machine 10x only)
- Digital readout X, Y and A, 1um
- Thermal printer, rotary table

Dimensions of Vertical Operating Machine base



Dimensions of Horizontal Operating Machine base



Specific Features



Left View



ES 12 Ellipse Screen



ES 12 point Intersection Screen



Table Glass

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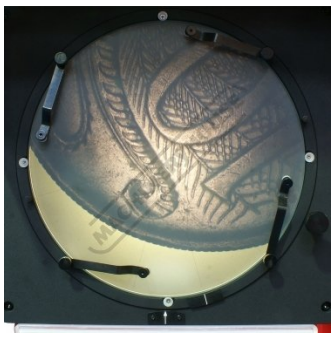
Thermal Printer



Precision Rotary Table



Switches



Surface Clarity