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Product Brochure For M007

Easson Optical Projector - EP-2512

365mm Optical Screen



ORDER CODE:	M007
MODEL:	EP-2512
Table Dimensions (mm):	415 x 240
Glass Dimensions (mm):	290 x 190
X Measurement Travel (mm):	250
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):	365
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-2512 HIGH PRECISION OPTICAL PROJECTOR
EP-2512 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-2512 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-2512 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-2512 is equipped with ES-8P 1um resolution high accuracy measuring system which provides comprehensive and easy to use geometric measurement functions.

ES-8P 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
3 points circle measurement
2 points distance measurement
2 points for a line measurement
2 lines intersection measurement
4 points line intersection measurement
Point line perpendicular projection

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

ERGONOMIC DESIGN MACHINE BASE
To make the EP-2512 the most comfortable projector to operate, EP-2512 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.

Features

- Table glass size 290 x 190mm
- Measurement travel 250 x 100mm
- 365mm Screen diameter
- 10x, 20x and 50x lens available (standard machine 10x only)
- Digital readout X, Y and A, 1um
- Thermal printer, rotary table

Specific Features


Left View


ES 12 Ellipse Screen


ES 12 point Intersection Screen

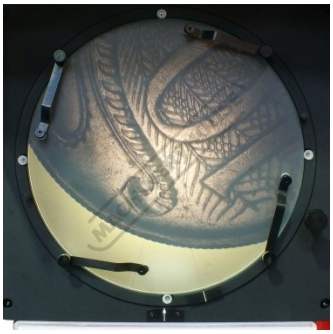

Table Glass


Thermal Printer


Precision Rotary Table



Switches


Surface Clarity