DIGITAL VISION COMPARATOR

DVC 400H/ 600H/ RAPID PROFILE PROJECTOR

Precision at the Speed of Sight

- Instant Measurements
- 1000s of Data Points
- 1-Micron Resolution
- Non-Contact Tech
- Skill-Free Consistency
- Field-of-View Stitching
- Instant Digital Drawings
- Pass / Fail Reports
- Profiling and Comparison against dxf files

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DVC 400H/600H TECHNICAL SPECIFICATIONS

Model	400H	600H
Camera	High Resolution CMOS Color Camera	
Objective Lens	Precision Bi-Telecentric, Color Corrected, Large Depth of Focus	
Magnifications	5X to 200X Bi-Telecentric Objective Lenses	
Field of View		
Resolution	1 Micron	1 Micron
Accuracy	+/- 2 + L/50 Measured with a Calibration Standard	
Repeatability	+/- 1.5 Microns	
Working Distance	90 to 175mm (Based on Lens Used)	
Workstage Size	400 x 125 mm, One Dovetail & One T Slot	630 x 230 mm, One Dovetail & One T Slot
Stroke X x Z Axes	300 x 150 mm	400 x 250 mm
Focus	Motorized Focusing Arrangement with Focus Indicator	
Illumination System	Profile and Surface Illumination, Software Programmable	
PC Device	High End PC with High Resolution HDMI Monitor	
Weight	200 KG (approx)	500 KG (approx)
Dimensions	860 x 1300 x 960 mm	980 x 1300 x 1100 mm
Power Supply	100 to 200 VAC, 50/60Hz, 700 Watts, 1 Phase	100 to 200 VAC, 50/60Hz, 1000 Watts, 1 Phase
Ambient Conditions	10 to 40 Degrees Celcius	
Instant Measurement	One Touch Instant Measurement, Image Grab Software	
Auto Call	Automatic Part Recognition and Recall	
Auto Align	Automatic Part Orientation and Alignment	
Measurements	Lines, Arcs, Circles, Slots, Blobs, Distances, Angles	
	16000 Features, Multi Point / Batch Measurement, Sub-Pixel	
	Processing and Point Filters for Accuracy	
Tolerance	Length, Diameter, Angles, Area, Concentricity	
Reports	*.CSV, *.TSV, *.TEXT	
CAD Exports	DXF Files of Features, Nominal Values, Tolerances	
Multi Language Function	English, German, Italian, French, Spanish, Czech, Portuguese, Polish, Russian, Japanese, Chinese	
Options	Thread Measurement, Profiling, DFX Overlay Imports, Digital Comparator with Bands, Tolerance, Cable Inspection and 3D Touch Probe	

***Specifications are subject to change with changes in design**

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