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JVL 3X PRO Series

Special package contains: OVM Pro 3.2 software "Z" axis (for positioning) and Granite Table Top comes with steel stand

Features

- High precision granite base and column. Contour and surface illumination features LED with focused adjustable surface and bottom lighting.
- Manual quick release of microstage to allow smooth manual positioning.
- Telecentric zoom lens with precise stops.
- 0.41 mega pixel color camera.
- Advanced edge detection software with continuous magnifications change lens to rapidly the magnification of images making it suitable for various work piece measurements.
- This model is equipped with the 3rd "Z" axis for positioning and focus indicator for "Z" axis measurement.
- One year warranty for parts.

Typical Use

- The JVL 3X Pro series can effectively view and measure profiles, surface shapes, size, angle and position of various complex work places. It is especially useful in microscopic inspection and macroscopic control of precise parts. It is suitable for Product Development on Reverse Engineering, Quality Inspection of parts such as watch components, electronic connector assembly, stamping metal parts, plastic, rubber components, spring circuit boards, etc..

Software Functions

- OVM 3.2 Pro is the full feature software package advanced to the OVM Lite version. With advanced edge detection tools which allows for quick drag and drop of multiple feature measurement. OVM Pro has a programmable sequential and direction prompting auto edge detecting tool saves time for fine adjustments, featuring multiple image capture and CAD comparisons.

Special Features

Automatic Point Detection: Points on the edge of parts can be automatically detected by clicking on the edge. Geometric measurements, point, line, circle, arc, angle and sophisticated graphics can be measured using this function.

Encircled Area Measurements: Measurements for example holes can be done by the click and drag over the object to be measured using box framing, thus improving many data-set measuring for speed.

Sorting and Discarding Of Flawed Data: This function can eliminate unwanted data that is not consistent with the clear group of measured data and is suitable for poor edge, blind holes, chamfer, parts with burs and other flaws.

Automatic Line Detection: While measuring, by one click on the mouse the software is able to detect and measure features on the fly.

SPC: The ability to identify process changes without being concerned about part change and variation.

Depth Measuring: Using the focusing power of the manual machine depths can be measured without difficulty. The "Z" axis is also available to measure the positioning and set zero points.

Program Function: With OVM Pro part programming is easy , using the appropriate tools once one part is measured the results can be saved to be recalled for like parts when needed.

Export Capability: CAD files can be imported such as the DXF format into the system allowing for comparison, reducing time for programming and stage interpolation. The stage quick release allows for speedy X and Y movement to required position, using the drawing graphics shown in the window. Tolerances can be compared easily.

Size Referencing: Measured features in the image screen can be sized directly making it easy to avoid size marking in CAD data when exporting files. General reporting is much improved.

Technical Parameters

Model Number	JVL250	JVL300	JVL400
Measuring Range(mm)	250×150×200	300×200×200	400×300×200
Size(including base)(mm)	1000×650×1650		
Platform load capacity	30kg		
Operating mode	Manual control (quick switch included)		
Magnification	Optical Magnify Zoom: 0.7 X -4.5X; Image Magnify Zoom: 28X-180X		
Resolution	0.001mm		
Accuracy	(3+L/200) μm		
Repeatability	±2μm		
CCD	410,000 pixel color CCD		
Measuring system	OVM 3.2 PRO		
Applicable environment	Temperature: 20℃±5℃ Humidity: 45%-75%		
Power supply	(110V/220V) ±10% (50/60) HZ		

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