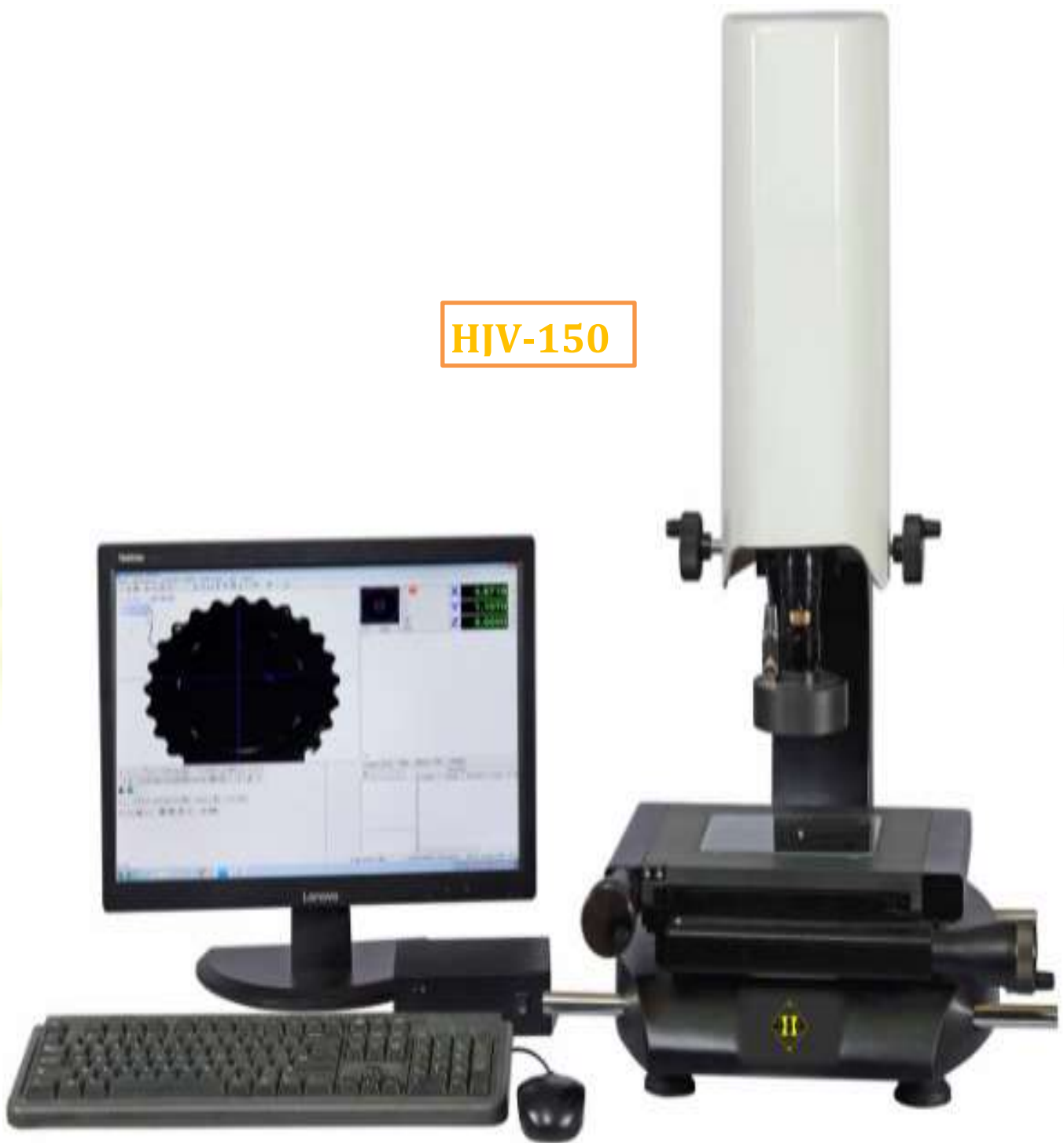


VISION MEASUREMENT MACHINES - HJV-150

HJV-150



DESCRIPTION :

Compact Structure design and Powerful software functions with geometrical elements and combination measurement, geometric tolerance, coordinate setting, data collection and output etc.

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FEATURES:

- The base and upright column adopt high precision of granite to ensure the stability of the mechanism system.
- Z-axis adopts precision linear guide with clump weight and the lens is in even force up and down to ensure the precision.
- The laser locating indicator can rapidly find the measuring position of workpieces.
- 0.7x 4.5X Stepless Zoom Lens.
- The grating scales that mounted on X-axis and Y-axis can make sure the high locating precision.
- Z-axis when mounted with grating scale can measure height of work pieces.

All HSMLE Vision Measurement Machines are equipped with SPC analysis software to allow customers to analyze the measurement results in order to find the error trend in the production flow and have a chance to find problems in the production process on time to make a correction. This will avoid serious errors and waste in each production stage. The SPC Statistic analysis software provides a series of chart patterns & methods for management, such as Xbar-R, Xbar-S, Xmed-R, R-Rm etc, as well as a number of diagram representation methods, for example, vertical, horizontal, 3 dimension, connection diagram etc to improve quality management considerably.

SPECIFICATIONS: -

| <i>Model</i> | <i>HJV- 150</i> |
|---------------------------------------|---|
| <i>XYZ Axis Measuring Travel (mm)</i> | 150 X 100 X 100 |
| <i>Overall Dimension (mm)</i> | 480 X 460 x 620 |
| <i>Worktable Load capacity (KG)</i> | 10 |
| <i>Precision of X and Y</i> | 3+L/200 um |
| <i>Repeatability</i> | 2 um |
| <i>Resolution of grating scale</i> | 1 um |
| <i>CCD</i> | 1/3*430 Pixel color CCD |
| <i>Magnification</i> | Optical magnification: 0.7-4.5X, Image Magnification: 28- 180 X |
| <i>Light Source</i> | LED |
| <i>Operating Mode</i> | Manual |

BASIC FUNCTION OF THE SOFTWARE: -

MEASURING COMBINATION ELEMENTS: Combine the points, lines and circles and calculate the distance, angle and intersection point among points, lines and circles.

RICH MEASURING FUNCTIONS: Automatically find optimum boundary point, automatically measure and identify lines, circles and arc; can select the points, lines, circles, multi-circles, arcs and oval by drawing block; sample points by mouse.

MEASURING GEOMETRICAL ERROR: To measure the parallelism, perpendicularity, inclination, displacement, coaxial and symmetry.

SETTING COORDINATE SYSTEM: It can parallel move, rotate and change the original coordinate or reset the coordinate system.

ANNOTATION DIMENSIONS: It can rapidly mark the length, angle, radius and diameter of the drawing window like using AUTOCAD software.

OUTPUT THE INSPECTING RESULTS: It can output the drawings and measuring results in WORD, EXCEL, DXT and report forms.

AUTO FOCUSING FUNCTION: It can produce the focusing indicating curve by adjusting Z axis and then judge optimum focus distance position so as to reduce focusing error by manual.

ENLARGE THE SMALL WINDOW: It can partly enlarge the vision window by the small window on the lower right corner so as to accurately aim the workpiece.

CAD WINDOW: Special CAD window has the same idea as three coordinates, which make customer vividly understand the test pieces.

SPC FUNCTION: Data statistics report can be edited freely according to user's measuring requirements.