

MODEL: DVM 3020

Features

X.Y.Z travel range	300*200*200mm
Table Glass Size (mm)	240*150 mm
X.Y.Z Resolution	0.001mm
A X.Y Axis accuracy	(3+L/200)um
Z axis Error	≤0.01mm
Repeatability	3um
CCD Camera	1/3' 700TVL colorful high definition CCD camera(Band white balance function)
Zoom Lens	0.7 ~ 4.5X High definition stepped zoom lens
Working distance	115mm (video)
Lifting Column	Stable granite column
Magnification	24X-158X (2X and 0.5X objective is available)
Instrument Base	000 grade stable granite base
Stage Loading Weight	25kgs
Software	Inspec UWC3200

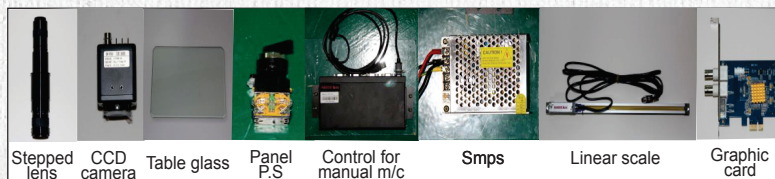
Usage:

It is mainly applied to measure point, line, circle, arc, distance, surface and other 2D measurement. Sometimes in 3D as well, such as the height of the side-step and the depth of the hole. It is must for the machinery,electronics, plastic and so on.

Specialities:

High accuracy with fixed working table and granite pedestal.
With high resolution 1/2" colour CCD camera and zoom lens,
X-axis and Y-axis adopt air bearing with granite direction, which ensure mechanical system stabilization and enhance the accuracy.

Machine main parts:



DSP-T-Series

Specifications:

Model	Max Approach Speed	Max Insertion Speed	Stroke	External Dimensions (AxByL)	Positional Accuracy	Pressing Accuracy
	(mm/sec)	(mm/sec)		(mm)	(mm)	(mm)
DSP-1T	100	25	200	140x342x752	±0.01	0.03
DSP-2T	100	25	200	150x355x769	±0.01	0.03
DSP-4T	100	25	200	160x362x775	±0.02	0.05
DSP-6T	80	15	200	225x390x780	±0.03	0.05
DSP-8T	80	15	200	270x412x790	±0.03	0.05

Features:

Very high energy efficiency.
Overload Protection with current limitation.
Intelligent compensation.
Excellent rapid,feed and creep speed control.
Load and Distance monitoring.
Online graphical display and analysis .
Powerful PLC for additional I/O ,sensor and limit switches.
Servo motor with Planetary gearbox to avoid drifting.
Load range from 1 Ton to 10 Tonnes.
System designed with position feedback scale for close tolerances



TOUCH SCREEN HMI



EXPANDABLE PLC+ AD MODULE



LOAD CELL+ SIGNAL CONDITIONER



AC SERVO AMPLIFIER



Diamond Engineering

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