Video Microscope Model MagnaPro12 for QC Inspection

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5 Megapixel USB type • Supplied with Measurement Software • Adjustable Stand

MagnaPRO12
Digital Microscope

Laptop shown is not a part of supply

MagnaStand

Single Zoom Lens

No need to change lenses for different magnifications

Photo capturing & Video recording Button

LED Light intensity is adjustable

For lower magnification

For higher magnification

Rotate

The MagnaPRO12 Handheld Digital Microscope is a cost-effective digital microscope designed for electronics industries. This USB-powered microscope is capable of capturing still photos and videos with 5 megapixel resolution. The portable computer-powered design makes this unit at home anywhere a laptop can go. The Micro Capture Pro software allows users to analyze, annotate, manipulate, and save the transmitted images from the digital microscope. An included USB cable also allows real-time images to be displayed. The Handheld Digital Microscope includes a height-adjustable stand that adds to functionality. The magnification zoom range is suited for almost any specimen, including slides and three-dimensional objects. LED illuminators near the microscope objective provide incident lighting that is dimmable using a switch integrated with the USB cable. The built-in 5MP camera, height-adjustable stand and feature-rich software make the Handheld Digital Microscope a well-equipped instrument for QC inspection in field, laboratories etc.

Specifications:

Image sensor	: 5 Megapixels
Magnification	: 20 ~ 200x and 300x
Focus range	: Manual focus from 10mm to 50mm
Snap shot	: Button or software
Still image resolution	: 2592x1944, 2048x1536, 1600x1200, 1280x960 pixels
Video capture resolution	: 1280x960
Flicker control	: 50Hz/60Hz
Light source	: 8 x LEDs with adjustable brightness
Power source	: USB
Dimensions	
- Microscope	: 110(L) x 33(Dia)mm,
- Stand	: 160(H) x 170(L) x 120(W)mm

Also available with MagnaStand35B

50X

100X
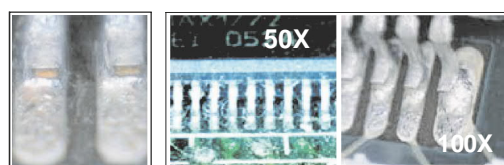
Leadfree & SMD Soldering QC Inspection

Email: headoffice@indeonline.in • Fax: 0172-4640415 • Cell: 09316134502 • Landline: 0172-2711745 • www.indeonline.in

Magnastand for Mounting and Positioning

The MagnaStand is an economical table type vertical stand can also be used with MagnaPRO12B hand-held Digital Microscope. It provides up to 360 degrees of horizontal axis rotational perspective and 8 inch of vertical working distance from object. The microscope holder is mounted onto a slider post (with a ball & socket joint) allowing for a maximum 45 degrees of adjustable lateral viewing angle. Light weight MagnaStand can be easily moved from one work area to another and endures harsh working environments.
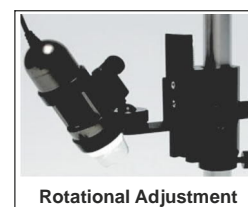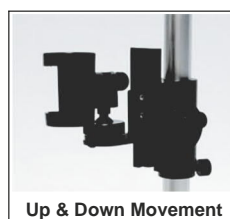
Salient features:

- The USB eliminates the need for interface cards.
- The software for the collection/processing of photos and measurement with calibration is included.
- Software is easy and convenient to use.
- Automatic or manual color balance/control with software
- Automatic or manual brightness control with software
- Calibration feature for accurate measurement

Features

Up & Down Movement
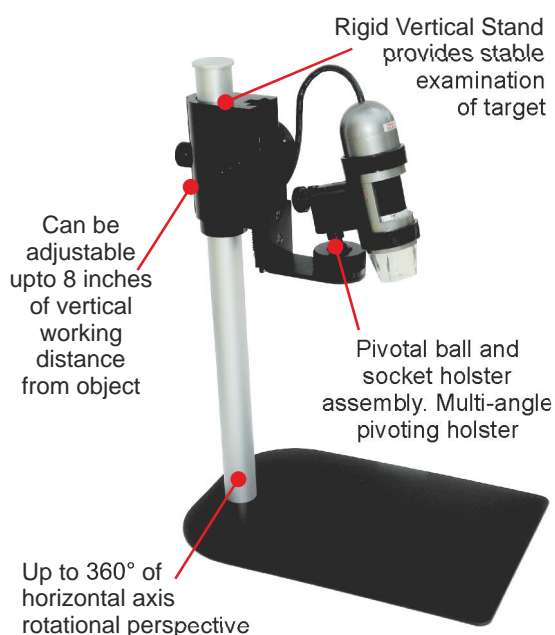
- Pivotal ball and socket holster assembly.
- Simple assembly and easy to use.
- 8" vertical working distance.
- Rotates horizontally in 360 degrees.

Angle Adjustment

Rotational Adjustment

Rigid Vertical Stand provides stable examination of target

Can be adjustable upto 8 inches of vertical working distance from object

Pivotal ball and socket holster assembly. Multi-angle pivoting holster

Up to 360° of horizontal axis rotational perspective

Note on Laptop with MagnaPRO12B-LAP

Laptop Computer supplied will be of any reputed make as DELL, with minimum or higher configuration: Dual Core Processor, 250 GB HDD, 1GB RAM, Window 8 Home Basic Operating System. We will not be responsible for any after-sales-services or support both for hardware and software. Customer will have to contact the respective Computer Vendor's Service Centre directly.

Scope of Supply

Description	MagnaPRO12	MagnaPRO12B	MagnaPRO12B-Lap**	MagnaPRO12-Lap**
Digital Microscope	●	●	●	●
Adjustable Stand	●	●	●	●
MagnaStand 35B		●	●	
Software CD	●	●	●	●
Calibration Scale	●	●	●	●
Laptop			●	●

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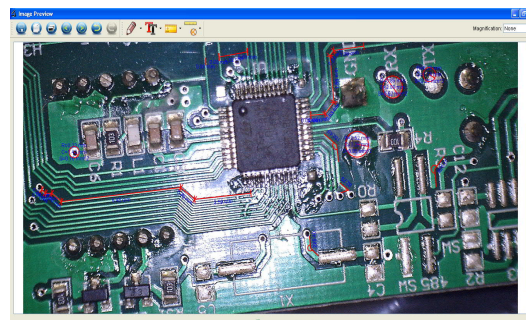## 5 Megapixel USB type • Supplied with Measurement Software • Adjustable Stand

Measurement sample images taken with MagnaPRO12 Digital USB Video Microscope

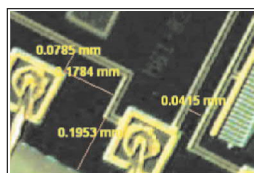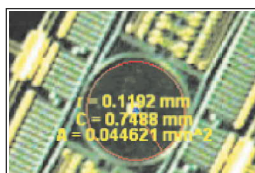| Component | PCB | Chip | Diameter | Distance | Hole | Metal |
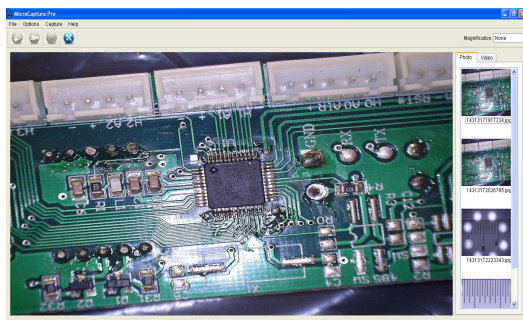
Main menu of preview software screen

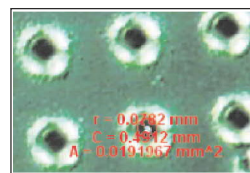Main menu of Measurement software screen

Line: provides measurement from one point to other point
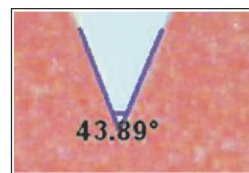
Continuous Line: provides measurement of multiple lines

Radius: provides measurement of radius, circumference & area of circle

Diameter Circle: measures diameter, circumference and area of circle

Angle: measures angle. Click and extend to desired angle

Salient Features:

- The USB connection eliminates the need for interface cards.
- The easy & convenient to use software for the collection and processing and measurement is included.
- Manual brightness control with software
- Calibration feature for accurate measurement

Specifications	
Image sensor	5 Mega Pixels (true resolution)
Still capture resolution	2592x1944, 2048x1536, 1600x1200, 1280x960
Video capture resolution	1280x960
Focus Range	Manual focus from 10mm to 50mm
Magnification Ratio	20x~200x and 300x
Video format	AVI
Photo format	JPEG
Light source	8 LED (adjustable by control wheel)
PC interface	USB2.0
Power source	5V DC from USB port
Operation system	Windows XP/Vista/Win7/ Win8/Mac 10.6~10.8
Bundle software	MicroCapture Pro
Size Microscope	110(L) x 33(D) mm
Standard Stand	160(H) x170(L) x 120(W) mm

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