Video Microscope Model MagnaPro35B-XXXX for QC Inspection
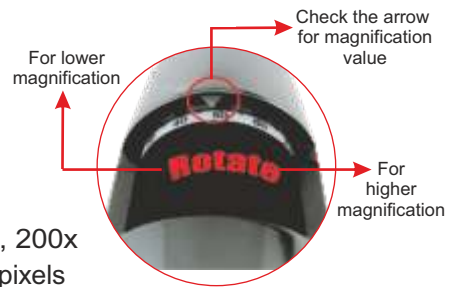
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Supplied with Measurement Software for distance, angle, radius, diameter

MagnaPRO
Digital Microscope
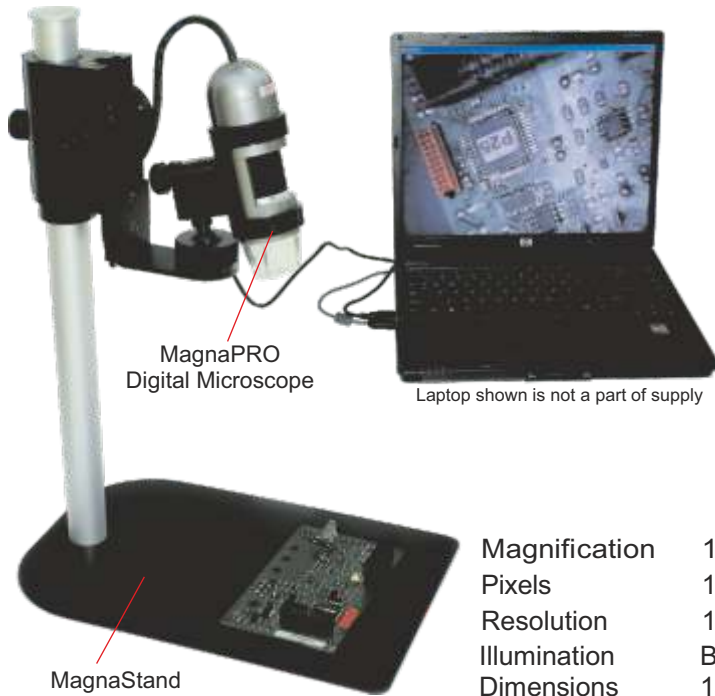
Laptop shown is not a part of supply

Single Zoom Lens

No need to change lenses for different magnifications

For lower magnification

Check the arrow for magnification value

For higher magnification

Rotate

MagnaStand

|	
Magnification	10 ~ 50x, 200x
Pixels	1.3 Megapixels
Resolution	1280 x 1024 pixels
Illumination	Built-in 8 white LED's
Dimensions	10cm (Height) x 3.2cm (Diameter)

MagnaPRO35B-XXXX is USB Video Microscope designed for professional users who need sharp picture quality as well as measurement functions for QC control. Measurement software provides extensive capability to measure circles, lines, distance, angles etc. Unique features include single zoom lens for magnification adjustments, microtouch function for image capturing and in-built 8 LED lighting with its ON/OFF control function.

Model MagnaPro35B-Deluxe includes:
- Ultra Mag Digital Microscope
- Application Software CD
- MagnaStand • XY-Transverse Stage
- Probe Set • Calibration Scale

Model MagnaPro35B-NW includes:
- Ultra Mag Digital Microscope
- Application Software CD
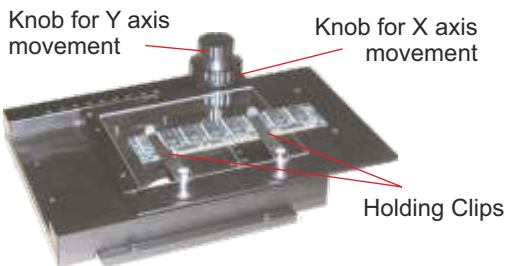- Probe Set • Calibration Scale
- MagnaStand
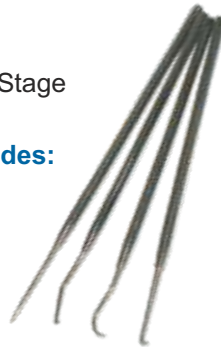
Model MagnaPro35B-Deluxe-Lap includes:
- Ultra Mag Digital Microscope
- Application Software CD • MagnaStand
- XY-Transverse Stage • Probe Set
- Calibration Scale • Laptop Computer*

Model MagnaPro35B-NW-Lap includes:
- Ultra Mag Digital Microscope
- Application Software CD
- Probe Set • Calibration Scale
- MagnaStand • Laptop Computer

* 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 7 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.

Knob for Y axis movement

Knob for X axis movement

Holding Clips

Adjustable X-Y Stage for Object Positioning

50X

100X

Leadfree & SMD Soldering QC Inspection

135

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Supplied with Measurement Software for distance, angle, radius, diameter
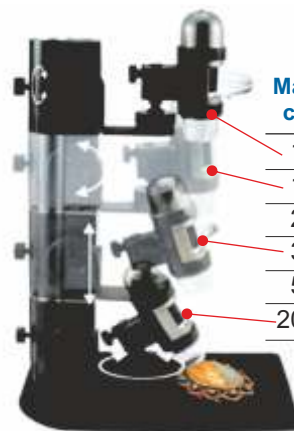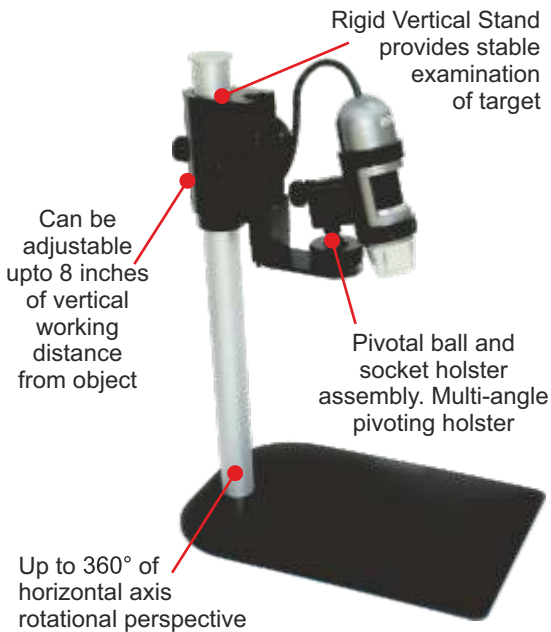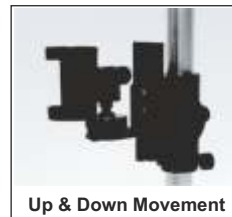
Magnastand for Mounting and Positioning

The MagnaStand is an economical table type vertical stand designed for use with MagnaPRO35B 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

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

Up & Down Movement

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

Magnifi-cation	Field of View (in inches)	Working Distance
10 x	1.9(L) x 1.5(W)	8"
15 x	1.5(L) x 0.9(W)	6"
20 x	0.7(L) x 0.4(W)	2"
30 x	0.4(L) x 0.27(W)	0.8"
50 x	0.23(L) x 0.17(W)	0.01"
200 x	0.066(L) x 0.05(W)	Touch

Adjustable X-Y Stage for Object Positioning

Knob for Y axis movement

Knob for X axis movement

Holding Clips
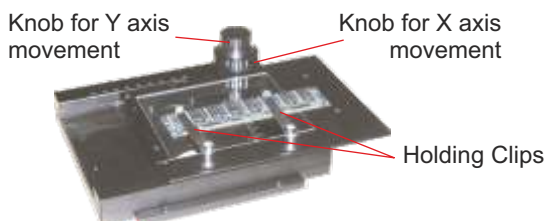
- 75×56mm travel in X-Y direction
- 116×96mm back light window.
- 95mm adapter is for stand base.
- Easy to use knobs for X-Y adjustment

Note: X-Y Base is included only in the models with suffix 'Deluxe'

- Micro Touch (trigger button). A gentle touch on the trigger allows to capture snapshots. Eliminates the need to click mouse or keyboard
- Software based controls for Brightness, Contrast, Hue, Saturation and Sharpness
- LED ON/OFF is controlled by software
- Measure Line, Continuous line, Radius of Circle, Diameter of Circle, Angle, Three Point Circle with advanced software.
- Measurement Calibration for accurate measurements
- 1280x1024 pixels, 1024x768 pixels, 800x600 pixels, 640x480 pixels for still captures
- Video Capturing in AVI Format. Time lapsed video function also available

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Supplied with Measurement Software for distance, angle, radius, diameter

Strength of MagnaPro35B Hi-end Digital USB Video Microscope is its Measurement Software. Supplied Software makes the job of taking measurements very easy. Measurement functions include line distance, radius, diameter, circumference, area of circle and angle etc.

Measurement sample images taken with MagnaPRO35B-XXXX Digital USB Video Microscope
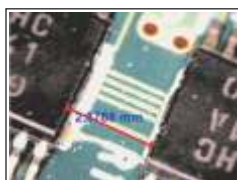

Component

PCB

Chip

Diameter

Distance

Hole

Metal

Metal Piece
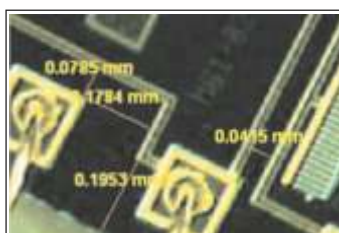

Main menu of software screen

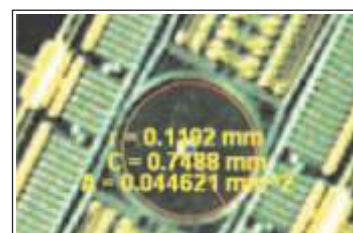**Real Time Controls for image and video:**

- Brightness
- Contrast
- Gamma
- Hue
- Saturation
- Sharpness
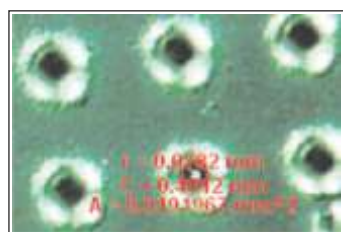- Snapshot Size
- USB Bandwidth
- Exposure
- White Balance
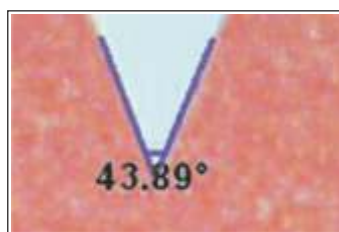

Line: provides measurement from one point to other point

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

3 Point Circle: measures radius, circumference and area of circle

137

Salient features:

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

Specifications	
Magnification	10 ~ 50x, 200x
Pixels	1.3 Megapixels
Resolution	1280 x 1024 pixels
Video Frame Rate	upto 30 frames/second
Illumination	By in-built 8 white LEDs
Regulatory Approval	CE, FCC, ROHS
Interface	USB 2.0
Dimensions	10cm (Height) x 3.2cm (Diameter)
Capture Button	Micro Touch (trigger button). A gentle touch on the trigger allows to capture snapshots. Eliminates the need to click mouse or keyboard
Length of Cable	1.8 meter
Mounting	Base type Stand
Video Controls	Software based controls for Brightness, Contrast, Hue, Saturation and Sharpness
LED Control	LED ON/OFF is controlled by software
Minimum Computer System Requirements (to be supplied by customer)	Windows XP or Windows 7, Intel Pentium 4 or higher with 1.5G MHZ processor, 256MB RAM, CD-ROM, 16-bit color display monitor or higher, USB 2.0 port
Measurement Functions	Measure Line, Continuous line, Radius of Circle, Diameter of Circle, Angle, Three Point Circle with advanced software.
Measurement Calibration	Measurement Calibration for accurate measurements
Still Capture	1280x1024 pixels, 1024x768 pixels, 800x600 pixels, 640x480 pixels
Video Capture	AVI Format, Time lapsed video function also available
Save File Formats	Files can be saved in BMP, JPG Formats