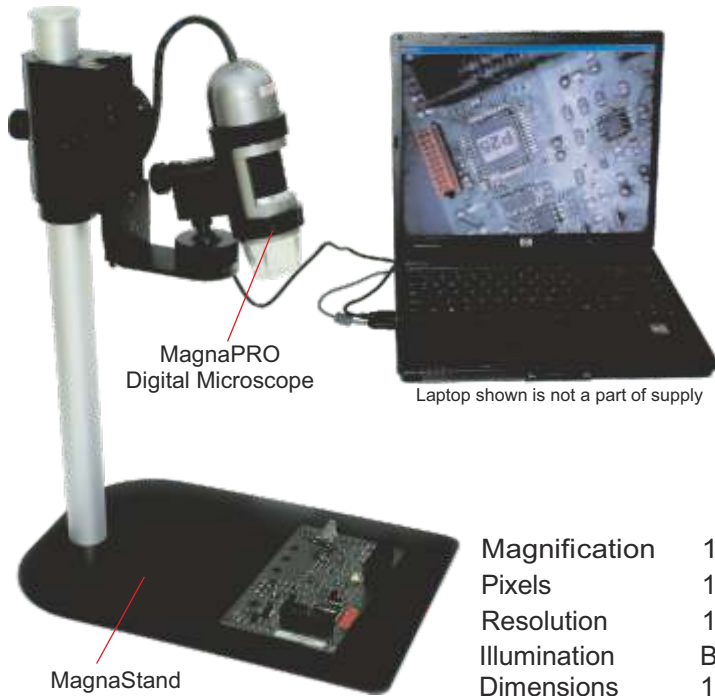


# Video Microscope Model MagnaPro35B-XXXX for QC Inspection

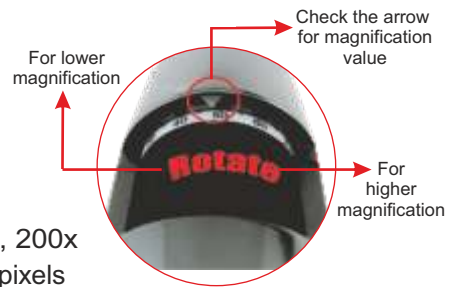
Supplied with Measurement Software for distance, angle, radius, diameter



Laptop shown is not a part of supply

**Single Zoom Lens**

No need to change lenses for different magnifications



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)

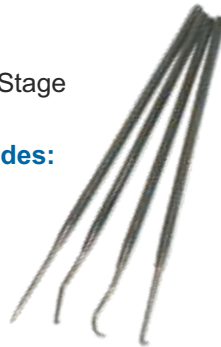
MagnaPRO35B-XXXX is USB Video Microscope designed for professional users who need sharp picture quality as well as measurement functions for QC control. Measurement software provides extensive capability to measure circles, lines, distance, angles etc. Unique features include single zoom lens for magnification 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



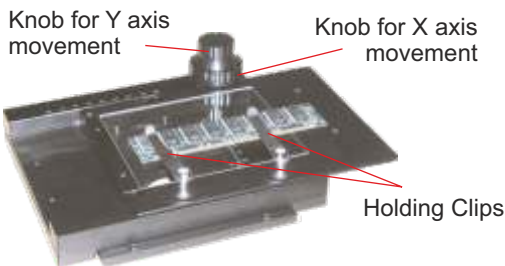
### Model MagnaPro35B-Deluxe-Lap includes:

- 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.



Adjustable X-Y Stage for Object Positioning



Leadfree & SMD Soldering QC Inspection

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## Magnastand for Mounting and Positioning

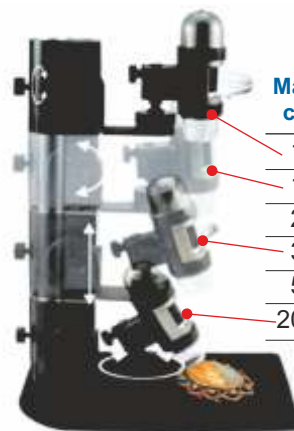
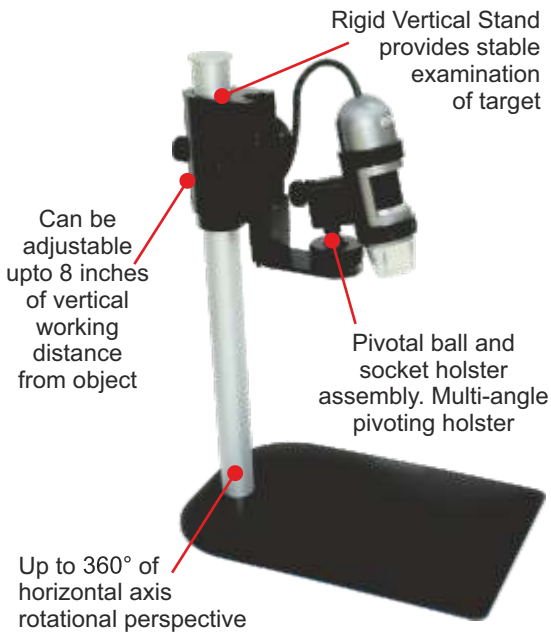
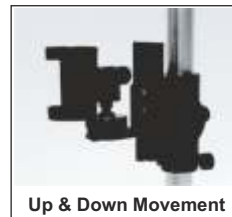
The MagnaStand is an economical table type vertical stand designed for use with MagnaPRO35B hand-held Digital Microscope. It provides up to 360 degrees of horizontal axis rotational perspective and 8 inch of vertical working distance from object. The microscope holder is mounted onto a slider post (with 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

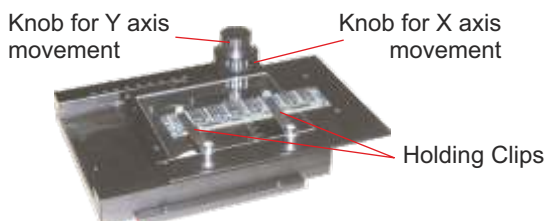
### Features

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



Magnification	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



- 75x56mm travel in X-Y direction
- 116x96mm 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



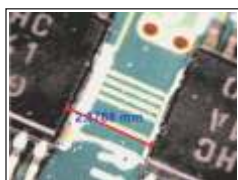
PCB



Chip



Diameter



Distance



Hole



Metal



Metal Piece



Main menu of software screen

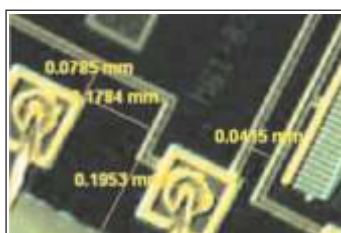


### Real Time Controls for image and video:

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



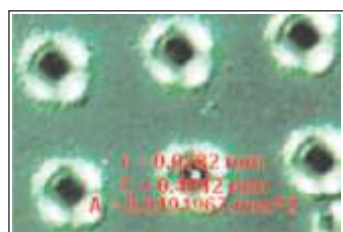
**Line:** provides measurement from one point to other point



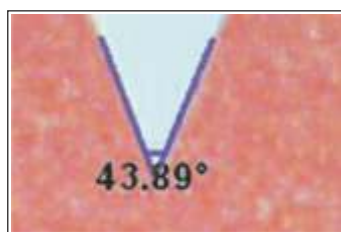
**Continuous Line:** provides measurement of multiple lines



**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

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**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

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