



Industrial

Microscope



For Metallurgy & Metrology Solutions

Superior and easy operating ability is the key feature of Metascope - a compact new microscope series that is equipped with all functions required for industrial metallurgical observations. The design feature 's a conveniently positioned observation tube, low stage and frontal operation for easy & comfortable observation. These imported microscope are available in both Upright and Inverted models

Eliminates need for complicated start up procedures - Just turn the main switch ON and Start Observation.

- Plan Achromatic objective lens which ensures both Plan / Dimensional & Chromatic / Colour plan achromatic free clear Images.
- Very effective high contrast koehler illumination with brightness adjustments.
- New 80X dry plan achromatic objective provides magnification upto 1280X without Oil.
- Extra wide view field high focal eyepiece for image observation without contact with microscope.
- Provision for Computer Interface & Image Analysis

Metascope T 1600 (I)

Inverted Metallurgical Microscope

Detachable Green & other filters to enhance observations. Level Setting of specimen with a hand press is not necessary. Larger & Heavier Jobs / Specimens can also be mounted with ease.



Standard Features / Specification

- Coaxial Coarse and Fine focusing wheel.
- Inter-pupil distances adjustment range from 55 to 75mm
- Mechanical stage - size 150x200mm, Cross travel 15x15mm
- Trinocular observation tube inclination of 30 Degree
- Koehler system, 6V20W halogen lamp illumination
- Eye Piece - WF 10X Pair
- Plan Achromatic objectives PL 10X, PL 25X, PL 40X, PL 60X
- Users Guide/Manual & Machine cover

Metascope T 2003 (U)

Upright Reflected Light Microscope

Equipped with Polarizer and analyzer to enhance Metal / Ceramic / semiconductor study.

A special wheel attachment with various colour filters are provided.

Easy positioning / identification of the area understudy.



Optional

10 X Grain Size / Scale Eyepiece

16 X Eye piece Pair

80 X Dry Plan Achromatic Objective

100 X Oil Plan Achromatic Objective



Computer Interface / Image Analysis

A comprehensive yet simple solution very effective for instantaneous & effortless storage of Images / Report Generation / group viewing / email etc.

System Consists of:

Samsung Digital CCD Camera

Composite Video Input. Supports .BMP and .AVI Files

Scientific Image Grabber Card & Software from AMT Taiwan

Supports Windows XP/ME/2000/98SE/98/95/NT4.0

Supports NTSC, PAL, or SECAM video formats

High Resolution card 720 x 480

Supports full, half and quarter page video formats in Win 98

Brightness, contrast, saturation and hue adjustments



High end metallurgical Analysis software

For ASTM Grain Size, Inclusion Rating, Nodularity, Graphite flakes, Coating Thickness, Phase % Analysis, Particle Size, Decarburisation, Report generation and many more.

Metrology Software

For Length, Area, Angle, Perimeter, including Calibration function for various magnifications.

Sastha Scientific Agencies

Microscope – Imported - Users List

- Accurate Bearing Components – Doddaballapur - Model T 2300 (U) with PC Interface
- Ace Carbo Nitriders – Peenya Bangalore - Model T 1600 (I) with PC Interface
- Amitronics Pvt. Ltd - Electronic City, Bangalore – Stereo Zoom + Image Analysis
- Amsteel Casting P Limited – Model T 1600 (I) with PC Interface - Hosur
- Applicomp India Limited (Videocon Group) - Attibele Bangalore
- B S Refined Metals & Alloys - Vimanapura, Bangalore.
- Bangalore Analytical & Testing laboratory - Bangalore - Model T 1600 (I) with PC Interface
- Bangalore Analytical & Testing laboratory – Bangalore - MZS 0745 with PC Interface
- Bangalore Technomet P Limited - Peenya Bangalore - Model T 1600 (I) with PC Interface
- Bansal Precision Forgings – Model T 1600 (I) with PC Interface - Bommasandra Bangalore
- Best Heat Treatment Services – Coimbatore - Model T 1600 (I) with PC Interface
- Central Power Research Institute –MTD Zoom Stereo Microscope with Image Analysis
- Delta CNC Applications – Stereo Microscope – Hosur – Tamilnadu
- **ELCOM PCB – Beirut - Lebanon – Micro Zoom with Image Analysis**
- Gabriel India Limited – Hosur - MZS 0745 with PC Interface
- Gemini Steel Tubes – Hoskote - Model T 1600 (I) with PC Interface
- Global Academy of Technology – Bangalore - Model T 2300 (U) with Image Analysis
- Global Heat Treatment Services – Jigani - Model T 1600 (I) with PC Interface
- Hanu Heat Treaters – Bangalore - Model T 1600 (I) with PC Interface
- Hical Magnetics – Electronic City – MZS 0745 – 4 Nos.
- Hical Technologies – MZS0745 Zoom Stereo Microscope – 6 Nos.
- Hindal Co. – Brila Copper – Bharuch – Gujarat – Pc Interface
- Indo US MIM Tec Pvt Limited – MZS 0745 – 2 Nos. - – Hoskote
- Indoshell Automotive Systems – Coimbatore – Metascope Model T1600(I)
- Jina Bukul Special Steels Limited – Belgaum - Model T 2300 (U) with PC Interface
- Jinalloy Special Steels – Model T 2300 (U) with PC Interface - Navi Mumbai
- Kuduma Fastners Pvt. Limited – Bangalore – Metascope Model T 2300 (U)
- LGB & Bros Limited – Apten Forge - Model T 1600 (I) with PC Interface
- LGB & Bros Limited – Pongalur - Model T 1600 (I) with PC Interface
- Micron Metrology – Bangalore - Metascope Model T 2300 (U)
- Naetek Ferro Castings Pvt. Limited – Shimoga - Model T 1600 (I) with PC Interface (**Shanthala Group**)
- Nashik Techomet - Model T 1600 (I) with PC Interface – Nashik
- National Metal Processing Systems – Peenya - Model T 1600 (I) with PC Interface
- Nisiki Yatyue Electric Pvt. Limited - MZS 0745 with PC Interface – 3 Nos
- OMNI CAST Precision Products – Cuddalore - Model T 1600 (I) with PC Interface

- Puspagiri Forgings P Limited - Model T 1600 (I) with PC Interface – Peenya
- Quantum Heat Treaters – Coimbatore - Model T 2300 (U) with PC Interface
- Rajalakshmi Coated Wires – KR Puram - Model T 1600 (I) with PC Interface
- Rane Madras Limited – Mysore - Model T 2300 (U) with PC Interface
- Reva Institute of Technical and Engineering Studies - Model T 2300 (U) with PC Interface
- S M Industries – Stereo Microscope – 2 Nos – Salem
- Sai Deepa Rock Drills Pvt. Limited - Model T 1600 (I) with PC Interface - Hyderabad
- Saifi Ind - Bommasandra - Model Model T 1600 (I) with PC Interface & Caliper Software
- Scientific Heat Treatment Services - Hosur - Model T 1600 (I)
- SESA Alloys – Kolar - Model T 1600 (I) with Image Analysis
- Shajanand Laser Technology – Gandhi Nagar – Gujarat – Zoom Microscope MZS0745
- Shree Devi Institute of Technology - Model T 1600 (I) – Tumkur
- Siemens VDO Limited - Koramangala, Bangalore Stereo Zoom with PC Interface
- Sree Devi Engineering College - Model T 1600 (I) – Mangalore
- Steer Engineering P Ltd – Coimbatore – **MEIJI IM7000 with Image Analysis**
- Stumpp Schuele & Somappa Limited – Chennai – Model T 1600 (I) with PC Interface
- Stumpp Schuele & Somappa Limited – Chennai – Stereo System
- Sundram Fasteners Limited – Hosur Stereo Zoom with PC Interface
- Sutures India Limited - Peenya Stereo Zoom with PC Interface
- Techno Scientific Instruments – Ambala – Zoom Stereo Microscope – 5 Nos
- The Oxford College Of Engineering – Bangalore
- Therelek Engineering - Model T 1600 (I) with PC Interface
- Therelek Engineers (P) Limited – Bangalore - Model T 1600 (I) with PC Interface
- Thillai Engineering works – Ambattur – Chennai- Model T 1600 (I) with PC Interface
- Titan Industries – Hosur / Roorke / Bommasandra - **MZS 0745 – 20 Nos**
- Trinity NDT Engineers – Bnagalore - Model T 1600 (I) with PC Interface
- Vetrivel Forgings – Kakkalur - Model T 1600 (I) with PC Interface
- Vinir Engineering Private Limited - Bommasandra, Bangalore - Model T 1600 (I)
- Vishaal Precision Tubes Private Limited - Hoskote, Bangalore
- VST Tillers & Tractors Limited - Mahadevpura, Bangalore
- VST Tillers & Tractors Limited - Mysore - Model T 1600 (I) with PC Interface
- VXL Ring Travellers Pvt. Limited – MZS0745 Stereo Zoom - Coimbatore
- Wavecurrent Technologies - Model T 1600 (I) with PC Interface – Chennai
- Yuken India Limited – Bangalore - Model T 1600 (I) with Image Analysis – 2 Nos
- Yuken India Limited – Bangalore – MZS 0745 with Pc Interface – 2 Nos

Many More