STEREO MICROSCOPE

TP-B6/B6T

Specification

Zoom Range of Zoom Body: 0.7X-4.5X

Zoom Ratio: 1: 6.5

Max. Optic Magnification: 2.1X-270X

Field of View: 1mm-95.2mm

Working Distance: 30mm-165mm

Working Distance with Built-in 1X Lens: 100mm

Interpupillary Adjustment: 54mm-75mm

Optional

Eyepieces: 10X, 15X, 20X, 25X and 30X

Auxiliary Lenses: 0.3X, 0.5X, 0.75X, 1.5X and 2X

Video Couplers: 0.3X and 0.5X (For Trinocular Body)

TP-6745/6745T

Specification

Zoom Range of Zoom Body: 0.67X-4.5X

Zoom Ratio: 1: 6.7

Magnification: 2X-270X

Field of View: 1mm-109.5mm

Working Distance: 26mm-287mm

Interpupillary Adjustment: 52mm-75mm

Eyetube Inclination: 45° and 60° rotatable microscope head

Working Distance of Built-in Objective Lens: 100mm

Optional

Eyepieces: 10X, 15X, 20X, 25X and 30X

Auxiliary Lenses: 0.3X, 0.5X, 0.75X, 1.5X and 2.0X

Video Couplers: 0.5X and 1X (For Trinocular Body)

Metallurgical Microscope

TP-CX40M
Specification

Viewing Head: 30°inclined gemel binocular/Trinocular head
Interpupillary distance: 54mm~75mm, diopter ±5 adjustable
Eyepiece: High eyepoint 10x/22mm with optional reticule
Objectives: 5x/10x/20x/50x/100x
Focus: Coaxial focus adjust,
Coarse range: 28mm, fine precision: 0.002mm
Stage: Double layer mechanical stage with X/Y coaxial adjust;
Stage size: 175x145mm, moving range: 76x42mm

TP-MX4R

Specification
 - **3**0°inclined gemel binocular observation tube
 - Trinocular port for camera
 - High eyepoint 10x/22mm eyepiece
 - Inward facing nosepiece
 - Bright field, Oblique Illumination
 - DIC, Polarization inspection techniques
 - High power 5W white LED reflected light
Objectives: 5x/10x/20x/50x/100x
Focus: Coaxial forcus adjust
Coarse range: 33mm, fine precision: 0.001mm
XY travel: 105x105mm

TP-6800

Specification
 - High eyepoint 10x/22mm eyepiece
 - Bright Field, Dark Field, DIC, Polarization
 - Infinity long working distance bright & dark field
Objectives: 5x/10x/20x/50x/100x
 - Quintuple Nosepiece
 - 6 inch stage
 Travel range: 158x158mm, with fast clutch lever

Video Microscope

TP-2000N

Specification

Magnification: 12x-78x ZOOM

Built in 0.35x Video Coupler; 1x Objective Lens

FOV: 23mm- 3mm; Working Distance: 100mm

Base Size: 260(x)*320(y)mm

Height: 480mm; Weight: 5.5kg

2.0M HDMI; Max Resolution: 1920*1080

Sensor: 1/2.86 inch Sony Sensor

Pixel Size: 2.75*2.75µm Frame Rate: 60fps@1920*1080

 - 12 inch HD LCD Display, 1080P wide screen

 - Wireless mouse control, image capture, U disk storage

 - User friendly software for measurement

Specification

Zoom Len: 0.4x-8.0x

Working Distance: 86mm-174mm

Resolution: 27.5um-2.3um

FOV: 1.6mm-63.9mm

Optional Objective: 0.5x/0.75x

Dimensions: 213mmx52mm

 - HDMI 1.4, 60fps@1080p

 - 2M(1920*1080) JPEG in SD card

TP-0480H

Digital Camera

TP-309M

Specification
- Sony imx335 Sensor, sensor size 1/2.8"
- 1080p 1920*1080@60fps, HDMI
- 5MP, pixel size 2.0µmx2.0µm
- USB Drive Storage or external SD card
- Size: 50*50*58mm, weight: 0.3kg

TP-4KAF

Specification
- 3840*2160@60fps, HDMI
- 8MP, pixel size 2.0µmx2.0µm
- USB 3.0 + HDMI + UVC (to PC)
- **AUTO FOCUS** features
- Size: 70mm*70mm*80mm
- Storage to USD Drive/PC

Video Measuring System

VME Economy
Video Measuring Machine

Specification

Travel: 200×200×200mm (S)
Dimension: 740×1040×1762mm
Stage loading: MAX 25kg
Optics: Auto zoom lens, 6.5:1 continuous zooming
Magnification: 25-160×
Speed: XY 500mm/s, Z 100mm/s
Scale: 0.5 µm
Software: Vispec
- 3-axis CNC servo control system

VMC Classic
Video Measuring Machine

Specification

Travel: 200×200×200mm (S)
Dimension: 740×1040×1762mm
Stage loading: MAX 25kg
Optics: Auto zoom lens, 8.3:1 continuous zooming Lens
Magnification: 25-209×
Speed: XY 500mm/s, Z 100mm/s
Scale: 0.5 µm
Software: Vispec
- 4-axis CNC servo control system

Video Measuring System

VMU Ultra

Video Measuring Machine

Specification

Travel: 200×200×200mm (S)

Dimension: 740×1040×1762mm

Stage loading: MAX 25kg

Optics: Auto zoom lens, 13.3:1 continuous zooming Lens

Magnification: 25-338×

Speed: XY 500mm/s, Z 100mm/s

Scale: 0.5 µm

Software: Vispec

- 4-axis CNC servo control system

VMQ Quick

Video Measuring Machine

- High precision and high efficiency with one-button quick measuring
- Wide field of view, large depth of view and high resolution
- Accurate and quick measuring, capable of identifying multiple work pieces in one FOV, batch measuring
- Automatically load program without the need of manual search
- Automatic image registration, quick positioning of work pieces without assistance of fixture

Accessories (Ring Light)

TP-85-4P

TP-92-4P

TP-LED48

Accessories (Stand)

BBS-4011

BPS-10101

BTS-10101

BTS-20101

Desktop Metallographic Precision Cutting Machine

Cutting Speed: 0~3000RPM (50/60Hz)
Power: 100W (60/50Hz)
Cutting Disc: Diamond cutting disc, Outer Ø150mm, Inner Ø31.75(*Ø25.4)mm
Electricity: AC 220V/380V 50Hz/60Hz 3P
Weight: 21kg

TP-D150A

Cutting Speed: 3240RPM (60Hz)
Power: 3HP (60/50Hz)/2.2kW/ACP3
Cutting Disc: Outer Ø230mm/Ø255mm, Inner Ø31.75mm
Electricity: AC 220V~240V 50Hz 2300W
Weight: 120kg

TP-B255FS

Metallograhy Equipment

Automatic Metallographic Cutting Machine(S)

Cutting Motor: 1HP (60/50Hz)
Cutting Speed: 2990(60Hz),2960(50Hz)RPM
Cutting Disc: Outer Ø200m, Inner Ø31.75mm
Cutting Height: 62mm
Electricity: AC 220V/380V 50Hz/60Hz 3P
Power: 1000W
Size: D900*W800*H1300mm
Weight: 257kg (220V)

TP-200AS

Automatic Function

User-Friendly Operating Space

Reinforced Safety Glass

Consumable Compatibility

Metallograhy Equipment

Automatic Metallographic Cutting Machine (L)

Cutting Motor: 3HP (60/50Hz)
Cutting Speed: 2670(60Hz),2640(50Hz)RPM
Cutting Disc: Outer Ø255m, Inner Ø31.75mm
Cutting Height: 500mm
Electricity: AC 220V/380V 50Hz/60Hz 3P
Power: 2500W
Size: D980*W900*H1500mm
Weight: 439.5kg (220V)

TP-255ASL

MIT Taiwanese System

Maintenance convenience

Laser Tool Setting (Optional)

Slide-up protection hood

Metallograhy Equipment

Manual Metallographic Polishing & Grinding Machine

TP-1020FRX/1025FRX

TP-2020FRX/2025FRX

No. of Grindng Disc: 1/2
Grinding Disc Size: 200mm/250mm
Grinding Speed: MAX 800RPM 60Hz/50Hz
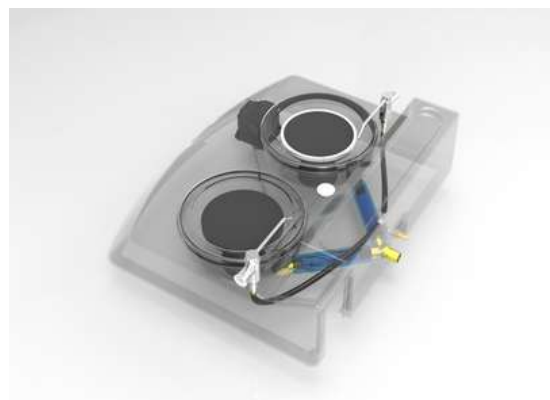**Motor Spec:** AC 220V 400W brushless motor
Power Supply: AC 220V 1Phase
Size: W556*D652*H303mm/W796*D726*H303mm
Weight: 36kg/57kg

Durable Structure - Aluminium Base

Anti Clogging Design

Cooling System

Metallograhy Equipment

Auto Metallographic Polishing & Grinding Machine

TP-1020FRX-A3/1025FRX-A3

TP-2020FRX-A3/2025FRX-A3

No. of Grindng Disc: 1/2
Grinding Disc Size: 200mm/250mm
Grinding Speed: MAX 800RPM 60Hz/50Hz (Direction adjustable)
Grinding Method: Auto/Manual
No. of Grinding Sample Piece: 3/5
Specimen Size: Ø32mm (25, 30, 40mm can be selected)
Motor Spec: AC 220V 400W brushless motor
Auto Head Motor: DC 24V 80W, MAX 150RPM
Power Supply: AC 220V 1Phase
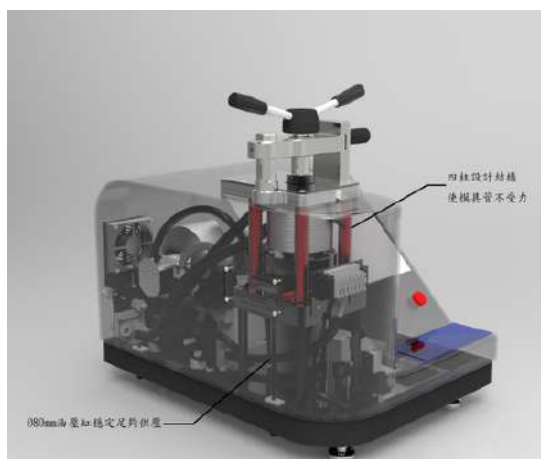**Size:** W556*D652*H568mm/W796*D727*H568mm
Weight: 52kg/73kg

Auto Metallographic Mounting Press Machine

TP-32AX/40AX

Sample Size: Ø32mm/Ø40mm
Pressure: Max. 4000PSI/3200PSI
Quantity: 1-2
Temperature: 110-200ºC adjustable
Power Supply: 220V 60/50Hz Single Phase
Heating Power: 1800W
Machine Power: 2400W
Size: W450*D695.5*H569mm
Weight: 82kg

One Touch Auto Preparation

Programmable module

Metallograhy Equipment

Auto Metallographic Mounting Press Machine

TP-AX6

Sample Size: Ø32mm
Pressure: 1625PSI(114kgf/cm^2)
Quantity: 1-6 MAX Height 30mm
Temperature: 110-200ºC adjustable
Power Supply: 415V 60/50Hz Three Phase
Heating Power: 3000W
Machine Power: 3500W
Size: W540*D552*H1300mm
Weight: 120kg

**Efficiency Preparation
6 samples produced within 15 minutes**

Consumables

Cold Mounting Acrylic Resin Series

Standard Kit
a) Acrylic Powder: 1lb (0.45kg)
b) Liquid Hardener:12 oz (0.36L)
Large Kit
a) Acrylic Powder: 5lb (2.3kg)
b) Liquid Hardener:64 oz (1.9L)

Cold Mounting Mould (32/25mm)

Hot Mounting Series
a) Mounting Compound
b) Release Agent

8" Silicon Carbide Abrasive Paper (Plain, W/PSA)

#180	#1000
#240	#1200
#320	#1500
#400	#2000
#600	#2500
#800	#4000

Polishing Powder & Cloth
0.05 micron, 0.3 micron, 1 micron

Peak Optics

1961-10x

1962-15x

1964-22x

2032-10x

1983-10x

2016-15x

2037-30x

Push Pull Gauge

Force Gauge

Test Stand

Measuring Instruments

Caliper

Dial Indicator

Micrometer

Miscellaneous

Sigma II Thermohygrograph

Chart Paper (7days/32days)

Cartridge Pen (Violet/Red)

Datalogger

Digital/Infrared Thermometer

Cleanroom/Safety Product

ESD Shoe

Shoe Cover

Glove

Finger Cot

Face Mask

ESD Smock

TOPPER

合興儀器有限公司
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