

HITECH **MILANO EUROPE**

METALLOGRAPHIC SAMPLE PREPARATION



AP SERIES

AUTOMATIC POLISHERS

Metallographic Polishers AP311 Series

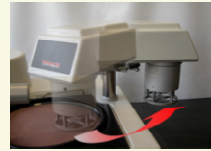
A good sample preparation is essential for accurate sample analysis. The Hitech Europe Polishing Machines - AP Series meet all your needs. Their ease of use, quality of construction, technical features and convenience are all fundamental ingredients that make the AP the best choice for your Laboratory.

In fact, the possibility to set the working wheel rotation speed and direction, the pneumatic pressure, the head speed and the cycle time, ensure the efficiency of the polishing machines AP making it an a highly valued product by all operators in the laboratory. Furthermore it is possible to combine also the Touch Screen fluid dispenser P4T at any time.



“Tilt up system”

It is possible to release up the head of the polisher to easily replace the sample holder and the JIG, the working wheels, the abrasive papers and the cloths, or to clean the polishing machine



Rotating head “swing away”

This system allows using the polisher like a normal manual polishing machine, because the head can be moved out of the working area

Speed Control

With the speed control, it is possible to set the head rotation speed from 0~75 rpm

Hydraulic System

The connection to water source is useful for the dispensing of the water on the plate, which is facilitated by adjustable nozzles.



Control Panel
AP22 and AP32 series



Fluid Dispenser P4T

Dispenser of diamond abrasive fluids, slurries, colloidal silica and alumina

Using the easy and intuitive touch screen, it is possible to set the number of pulses per minute and also duration of each pulse.

The P4T version can be combined with any polishing machine of all brands and models, as an independently programmable unit working in parallel with the machine...

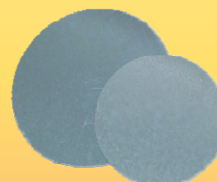
Accessories



Magno Base



Working Wheel



Magno Plate

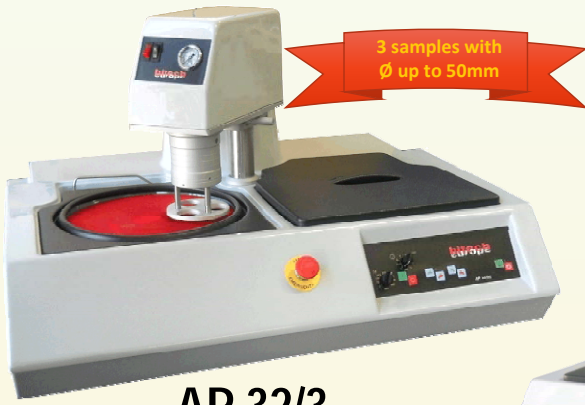


Paper Clamp

All accessories are available for \varnothing 200/230/250/300

Metallographic Polishers AP311 Series

AP32 Series Working Wheel Ø 300mm



3 samples with
Ø up to 50mm

AP 32/3

(code 02-31-1DTA-C)

Quality
Easiness of use
Price/quality ratio



AP32 COMBO

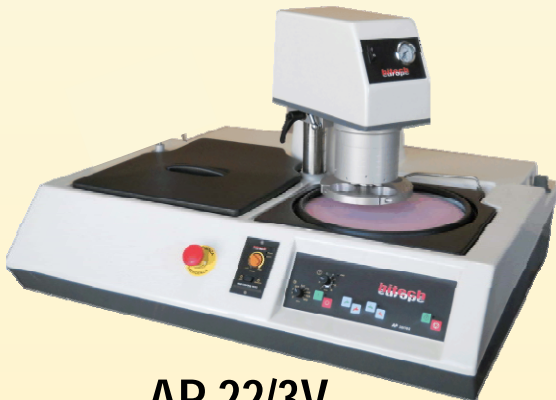
(code 02-31-7DVA-C)



AP32/5

(code 02-31-4DVA-C)

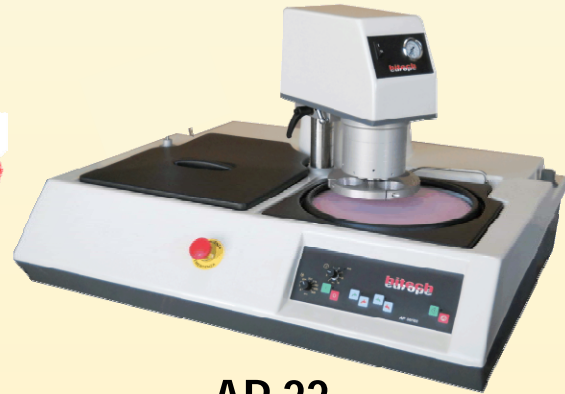
AP22 Series Working Wheel Ø 200mm



AP 22/3V

(code 02-31-11DVA-C)

Quality
Easiness of use
Price/quality ratio



AP 22

(code 02-31-2DVA-C)

Outline for the use of different abrasive support



Technical features

MODEL	AP 22 Double Wheel Ø 200 mm.	AP 22/3V Double Wheel Ø 200 mm	AP 32/3 Double Wheel Ø 300mm	AP 32/5 Double Wheel Ø 300mm.	AP 32 COMBO Double Wheel Ø 300mm.
code	02-31-2DVA-C	02-31-11DVA-C	02-31-8DVA-C	02-31-4DVA-C	02-31-7DVA-C
Steel frame - stainless steel screws	Yes				
Cover	Resin reinforced shockproof / corrosion				
Sample Holder	Individual Pressure (3 samples)			Individual Pressure (5 samples)	Individual Pressure (5 samples)+ Central
Head Motor	Parvalux	Brushless	Parvalux		Brushless
Motorized head rotational speed	fixed 75 rpm	variable 0~75 rpm	fixed 75 rpm		variable 0~75 rpm
Rotating Head "swing away"	Yes				
"Tilt up system" Head	Yes				
Working wheel rotational speed (clockwise and counterclockwise)	0 ~ 600				
Adjustable Hydraulic Unit	Yes				
Analog Electronics	Yes				
Cycle time	Timer up to 15 min.				
Dispenser	Drop Dispenser				
Inverter coltrolled motor	Yes				
Power supply	230 V - AC				
Hydraulic system	Connect to water source				
Pneumatic system	Connect to air source (pressure 6 bar)				
Dimensions (mm.)	700x750x600			900x800x600	
Weight (kg.)	50 Kg.			100 Kg.	
Splash guard and cover	Yes				
Instruction Manual - tool set - CE Certificate	Yes				
Teradrop Jig Samples (central pressure)	No				4/5/8/10 samples
Sample Holder 3 holes (Ø 25-30-32-38-40 mm.)	Yes			No	
Sample Holder 3 holes (Ø 50 mm.)	Yes			No	
Sample Holder 5 holes (Ø 25-30-32-38-40 mm.)	No			Yes	
Working Wheel (Ø 203 - 230 mm.)	Yes		No		
Working Wheel (Ø 250 - 305 mm.)	No		Yes		
Levelling Base	No				Yes
Sample Spacer (Ø 25-30-32-38-40mm) Ø est. 50mm	Yes		No		
Grinding Paper Clamp (Ø 203 - 230 mm.)	Yes		No		
Grinding Paper Clamp (Ø 250 - 305 mm.)	No		Yes		
Customized Sample Holder or JIG	Yes				

tecmet 2000 supplies a wide range of high quality consumables for the preparation of metallographic samples:

- Abrasive cut off wheels
- Diamond blades
- Mounting accessories
- Hot and cold mounting compounds
- Consumables for finishing
- Abrasive papers
- Self-adhesive diamond discs
- Abrasive suspensions
- Polishing products
- Polishing cloths
- Magnetic system

* Ask for the Consumables Catalogue

**HE HITECH
MILANO EUROPE**



is product name of the metallographic instruments made in Italy by:

tecmet 2000

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