

HE HITECH MILANO **EUROPE**

METALLOGRAPHIC SAMPLE PREPARATION



AP311 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.

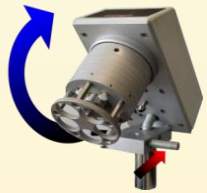
Hydraulic System

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



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.

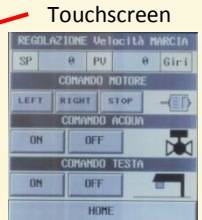


"Tilt up system"

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.



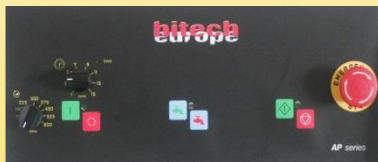
AP311T/Combo



Front panel AP311



Upper panel AP311



Front panel AP311/3V



Upper panel AP311/3V



Front panel AP311T/3V



Upper panel AP311T

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..

METALLOGRAPHIC POLISHERS AP311 SERIES



AP311T/3V

(code 02-31-3311-A)

Qualità
Semplicità
Convenienza



AP311/3V

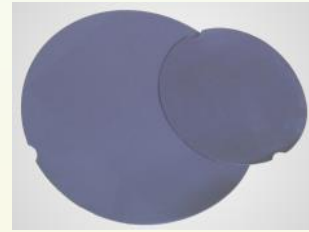
(code 02-31-6311-A)



AP311T/COMBO & P4T

(code 02-31-1311-A & 02-37-DOP4T-C)

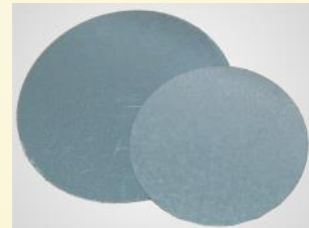
ACCESSORIES



Magna Base



Working Wheel

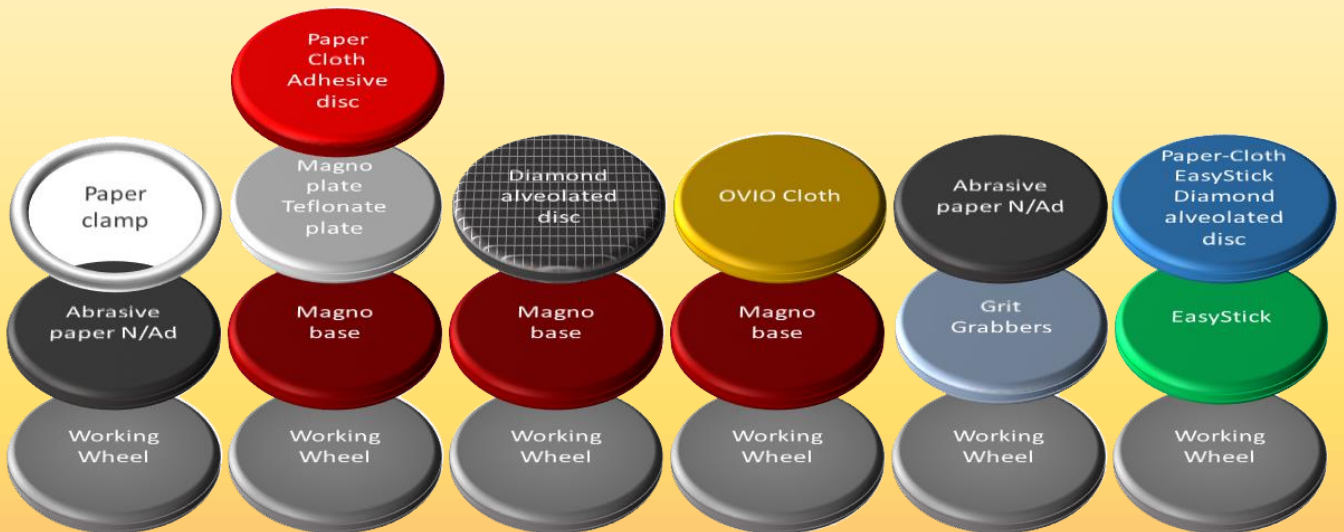


Magna Plate



Paper Clamp

Outline for the use of different abrasive support



TECHNICAL FEATURES

MODEL	AP311T/3V	AP311/3V	AP311T/5V	AP311/5V	AP311/COMBO	AP311T/COMBO
code	02-31-3311-A	02-31-6311-A	02-31-4311-A	02-31-7311-A	02-31-8311-A	02-31-1311-A
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)	Individual Central Pressure (5 samples)	Individual Central Pressure (5 samples)	Individual Central Pressure (5 samples)
Head Motor	Dc Motor inverter			Brushless	Brushless	
Motorized head rotational speed	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					
Electronics	Touch-screen	Analogic	Touch-screen	Analogic		Touch-screen
Cycle time	Timer up to 99 min.	Timer up to 15 min.	Timer up to 99 min.	Timer up to 15 min.		Timer up to 99 min.
Dispenser	Automatic	Manual	Automatic	Manual		Automatic
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.)	600x800x400					
Weight (kg.)	65 Kg					
Splash guard and cover	Yes					
Instruction Manual - tool set - CE Certificate	Yes					
Teradrop Jig Samples (central pressure) / Levelling base	No			Yes		
Individual pression	3 holes (25 + 50 mm)		5 holes (25 + 40 mm)			
Working Wheel	Ø200-230-250-300					
Sample Spacer (Ø 25-30-32-38mm) Ø est. 40mm	Yes					
Sample Spacer (Ø 25-30-32-38-40mm) Ø est. 50mm	Yes		No			
Grinding Paper Clamp (Ø 203 - 230 mm.)	Yes					
Grinding Paper Clamp (Ø 250 - 305 mm.)	Yes					



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



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