

POLITOUCH 1H

FULLY PROCESS
PROGRAMMABLE

Features

- > Automatic single platen grinding/polishing machine
- > Equipped with automatic head to polishing process up to 6 samples at the same time. Possibility to choose different samples holders as standard configuration
- > Platen and automatic head controlled by LCD touch screen panel
- > DC brushless motor, stepless speeds
- > Cooling system to prevent sample overheating
- > Recommended for scientific research institutes, metallographic laboratories and universities.



Model	POLITOUCH 1H/250	POLITOUCH 1H/300
Platen	1	1
Platen diameter	250mm	300mm
Platen speed	100÷1000 stepless	100÷1000 stepless
Platen rotational direction	Clockwise/Counterclockwise	Clockwise/Counterclockwise
Torque	5.5Nm	5.5Nm
Head rotational direction	Clockwise	Clockwise
Head speed	20÷120rpm stepless	20÷120rpm stepless
Sample holder	1 model selected from sample holder table	1 model selected from sample holder table
Sample holding force	0÷0.7MPa	0÷0.7MPa
Max. sample height	40mm	40mm
Head motor power	200W	200W
Noise level	60dB	60dB
Operating temperature	0÷3°C	0÷30°C
Humidity non-condensing	<65%	<65%
Water inlet	ø 12mm	ø 12mm
Water outlet	ø 32mm	ø 32mm
Inlet air pressure	0.5MPa	0.5MPa
Air connection	ø 6mm	ø 6mm
Motor power	1100W	1100W
Power supply	230V ±10% - 50/60Hz - 1Ph	230V ±10% - 50/60Hz - 1Ph
Dimensions	500x725x760mm	500x725x760mm
Weight	96kg	96kg

Standard accessories

POLITOUCH
1H/250

Sample holder;
abrasive paper ø 250mm 180# 2pcs;
abrasive paper ø 250mm 400# 2pcs;
abrasive paper ø 250mm 800# 2pcs;
cover; sealing ring; inlet water pipe;
outlet water pipe

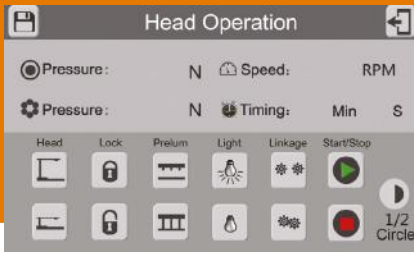
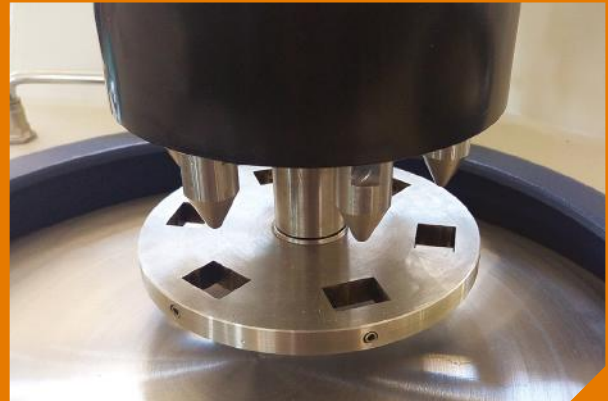
Standard accessories

POLITOUCH
1H/300

Sample holder;
abrasive paper ø 300mm 180# 2pcs;
abrasive paper ø 300mm 400# 2pcs;
abrasive paper ø 300mm 800# 2pcs;
cover; sealing ring; inlet water pipe;
outlet water pipe

Optional accessories

Model	Description
D-1	Automatic dispenser for diamond/ alumina/silica products
LV-21	Sample leveler plate
PR-XX	Plastic ring reduction selected from ø 22 up to ø 45mm



SAMPLE HOLDERS



ZH-22

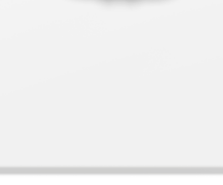
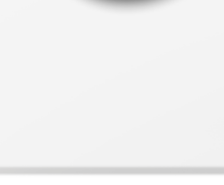


ZH-45



ZH-30

SPECIAL SAMPLE HOLDERS



Sample holders

Model	Number of samples	Holes diameter (mm)
ZH-22	6	ø 22
ZH-25	6	ø 25 (on request)
ZH-30	6	ø 30
ZH-32	6	ø 32 (on request)
ZH-40	6	ø 40 (on request)
ZH-45	6	ø 45
ZH-50	6	ø 50 (on request)

Special sample holders (on request)

Model	Number of samples	Holes diameter (mm)
ZA-322	3	ø 22
ZA-325	3	ø 25
ZA-330	3	ø 30
ZA-332	3	ø 32
ZA-340	3	ø 40
ZA-345	3	ø 45
ZA-350	3	ø 50
ZA-422	4	ø 22
ZA-425	4	ø 25
ZA-430	4	ø 30
ZA-432	4	ø 32
ZA-440	4	ø 40
ZA-445	4	ø 45
ZA-450	4	ø 50
ZA-522	5	ø 22
ZA-525	5	ø 25
ZA-530	5	ø 30
ZA-532	5	ø 32
ZA-540	5	ø 40
ZA-545	5	ø 45
ZA-550	5	ø 50
ZA-822	8	ø 22
ZA-825	8	ø 25
ZA-830	8	ø 30
ZA-332	8	ø 32

Sample holders customization according to samples shapes, on request