

PolyMILL

Milling machine for sample preparation



ABOUT THE SYSTEM:

Modern and robust design;
Fully automatic, easy and quick operation;
Automatic specimen height measurement for automatic Z-axis positioning;
Preparation of production and calibration samples;
Quick and easy exchange of milling head;
Standard air cooling;
Special clamping device to hold a wide variety of sample shapes and sizes;
Reproducible and plane sample surface;
Inbuilt chip collection unit.

AVAILABLE:

PolyMILL is available stand-alone or as part of the full automatic cell for samples analysis PolyLAB that also includes a six-axis robot, spectrometer, weight and radioactivity station, warehouses and storage baskets.

DESCRIPTION

PolyMILL is the innovative milling machine for samples of molten metal in steel plants.

PolyMILL automatically prepares the samples' surface to be placed inside the analysis spectrometers, both with optical technology (OES) and X-ray (XRF).

The automatic processing cycle ensures extremely fast and reproducible results with programmable 4.3" HMI touch screen controls.

The milling preparation procedure reduces the contamination drastically and effectively.

HMI USER FRIENDLY

VPN REMOTE ACCESS & ASSISTANCE

SPECIAL SOFTWARE FUNCTIONALTIES FOR HOMING RECOVERY

Processable Sample Material	Alloys steel	
Sample Hardness	max 55 HRC	
Sample Diameter	min 30 max 40 mm	min 1.18in max 1.57in
Sample Height	min 10 max 40 mm	min 0.39in max 1.57in
Motor Power	3,0 kW	4 hp
Spindle taper	ISO 30	
Milling Head Speed	1000 to 3000 rpm	
Milling Head Diameter	Ø 51 mm	Ø 2.00in
Sample holder system		Pneumatic
Cooling system	air cooled	
HMI Touch screen controller	4.3" 480x272 pixel 64 K colors	
Travel XZ	200 x 200 mm	7.87in x 7.87in
Table Feedrate	max 15 m/min	max 590.5 ipm
Size	110x80x210 cm	43.30in x 31.49in x 82.67in
Weight	500 kg	1102.31lb

