## 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;

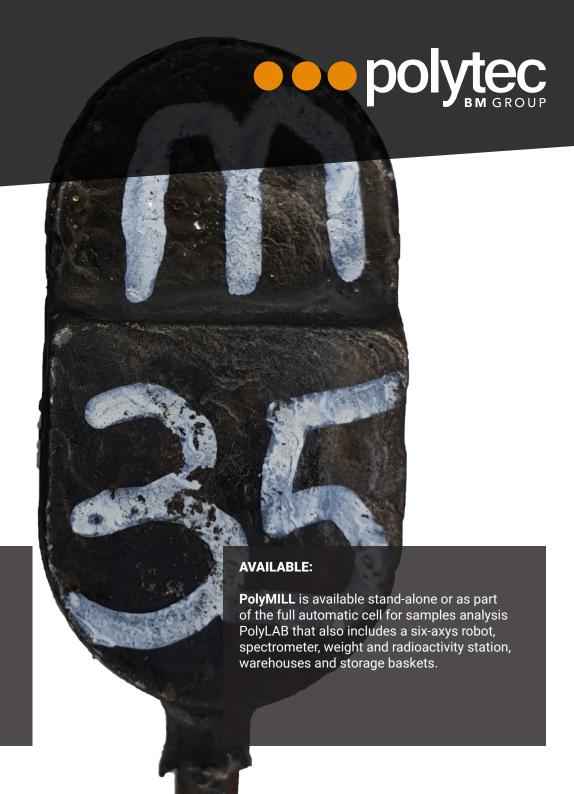
Quick and easy exchange of milling head;

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.



## **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).

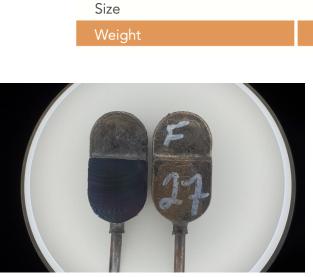
The automatic processing cycle ensures extremely fast and reproducible results with programmable 4.3" HMI touch screen controls.

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	ISC	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	



