

MILL X

Energy Efficiency Certificate



Operating mode (24h cycle time)	XSM LP (2015)	MILL X (2023)	Energy saving %	Thanks to GF
Standby (4h)	5.7 kW	4.8 kW	-19%	1,2,3
Ready (4h)	6.6 kW	5.8 kW	-14%	1,2,3
Machining (16h)	11.1 kW	9.7 kW	-14%	1,2,3,4
Daily Energy Consumption	226 kWh	197 kWh	-15%	

All measurements were made in accordance with measurement standards as defined in ISO 14955


1 // New control generation
The change to a new CNC, Heidenhain TNC 640, improves the control efficiency.

2 // Highly efficient exhauster system
The implementation of a Venturi nozzle in the exhauster system helps to significantly reduce the compressed air usage.


3 // Design
Several design changes, like switching to LED lights, also help improve the energy efficiency.

4 // ITC – Intelligent Temperature Control
The continuous improvements made on this software help compensate the temperature fluctuations and also significantly increase the already improved precision of the new generation of Milling machines.


Equivalent to, over 1 year greenhouse gas and CO₂ emissions from



652,493
smartphones charged



carbon sequestered by
89
tree seedlings grown for 10 years



22,130
kilometers driven by an average passenger car

Source: www.epa.gov

