

MILL S U series

Energy Efficiency Certificate




Operating mode (24h cycle time)	HSM U LP (2015)	MILL S U (2023)	Energy saving %	Thanks to GF
Standby (4h)	6.1 kW	5.2 kW	-17%	1,2,3
Ready (4h)	6.7 kW	5.9 kW	-14%	1,2,3
Machining (16h)	11.6 kW	10.2 kW	-14%	1,2,3,4
Daily Energy Consumption	237 kWh	207 kWh	-13%	


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



674,993
smartphones charged



carbon sequestered by
92
tree seedlings grown for 10 years



22,167
kilometers driven by an average passenger car

Source: www.epa.gov

