

MILL X U series

Energy Efficiency Certificate




| Operating mode (24h cycle time) | XSM U LP (2015) | MILL X U (2023) | Energy saving % | Thanks to GF |
|---------------------------------|-----------------|-----------------|-----------------|--------------|
| Standby (4h) | 7.9 kW | 7.0 kW | -13% | 1,2,3 |
| Ready (4h) | 8.5 kW | 7.1 kW | -20% | 1,2,3 |
| Machining (16h) | 13.6 kW | 13.1 kW | -4% | 1,2,3,4 |
| Daily Energy Consumption | 282 kWh | 265 kWh | -6% | |


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



382,496
smartphones charged



carbon sequestered by
52
tree seedlings grown for 10 years



12,560
kilometers driven by an average passenger car

Source: www.epa.gov

