

ENERGY EFFICIENCY REPORT

OPERATING MODE (24H CYCLE TIME)	HSM U LP (2015)	MILL S U (2023)	ENERGY SAVING %	ACHIEVED BY
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.

IMPROVEMENTS

New control generation (1)

The change to a new CNC, Heidenhain TNC 640, improves the control efficiency.

Highly efficient exhauster system (2)

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

Design (3)

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

ITC – Intelligent Temperature Control (4)

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.



MILL S U series: February 2026

The energy saving per year is equivalent to greenhouse gas and CO₂e emissions from:

674,993
smartphones
charged

22,167
kilometers driven
by an average
passenger car

92
tree seedlings that
sequestered carbon
for 10 years

Source: www.epa.gov

