

CUT E series

Energy Efficiency Certificate

Operating mode (24h cycle time)	CUT x00 series (2015)	CUT E series (2023)	Energy saving %	Achieved by
Standby (4h)	2.70 kW	2.64 kW	-2%	1,3
Ready (4h)	2.75 kW	2.65 kW	-4%	1,3
Machining (16h)	5.25 kW	3.85 kW	-27%	1,2,3
Daily Energy Consumption	105.8 kWh	82.8 kWh	-22%	

Measurements made on CUT E 600 in accordance with measurement standards as defined in ISO 14955

Improvements

Electrical cabinet (1)
Improvement of the cooling system by replacing the 400 VAC fan with a 24 VDC speed-controlled fan. Introduction of intelligent power generators (IPG) and use of most recent electrical components which are state of the art in term of energy efficiency.

EDM technology (2)
General process time reduction due to improvements given by the IPG on EDM technology especially in complex machining.

Dielectric pumps (3)
The use of more energy-efficient pumps reduces the overall energy consumption.



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

- 517,495** smartphones charged
- 17,551** kilometers driven by an average passenger car
- carbon sequestered by **70** tree seedlings grown for 10 years

We continuously improve our environmental performance