

CUT F series

# Energy Efficiency Certificate

Operating mode (24h cycle time)	CUT x00 series (2015)	CUT F 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 F 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

