

CUT F series

# Energy Efficiency Certificate



Operating mode (24h cycle time)	CUT x00 series (2015)	CUT F series (2023)	Energy saving %	Thanks to GF
Standby (4h)	2.7 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	-36%	1,2,3
<b>Daily Energy Consumption</b>	<b>105.8 kWh</b>	<b>82.8 kWh</b>	<b>-28%</b>	

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

**1 // Electrical cabinet**

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.

**2 // EDM technology**

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

**3 // Hydraulic pumps**

The use of more energy-efficient pumps reduces the overall energy consumption.

Equivalent to 1 year of CO<sub>2</sub>e emissions from



**517,495**  
smartphones charged

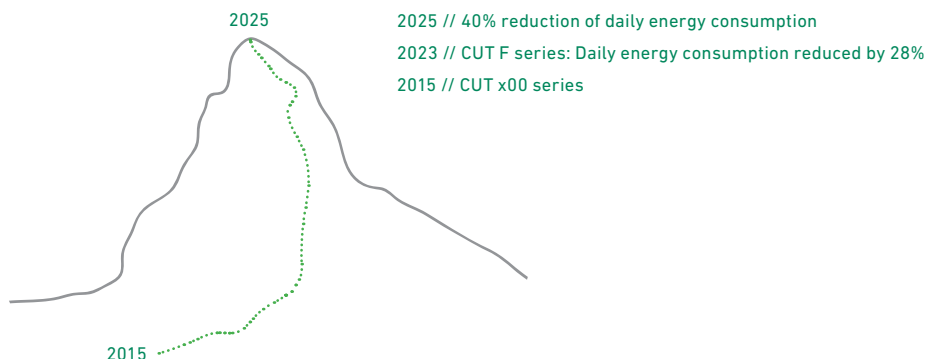


carbon sequestered by  
**70**  
tree seedlings grown for 10 years



**17,551**  
kilometers driven by an average passenger car

Source: [www.epa.gov](http://www.epa.gov)



2025 // 40% reduction of daily energy consumption  
2023 // CUT F series: Daily energy consumption reduced by 28%  
2015 // CUT x00 series