

TruHeat MF Series G3

A product of
decades of
experience



Wide operating voltage range

Worldwide use without the need
for technical adjustments

Low water consumption

Economical and robust cooling
concept

Maximum application flexibility
for your processes and easy load
adjustment

Wide frequency and power
range and variety of external
circuits

Wide range of communication
interfaces

Little adaptation of the system
control required

Robust and reliable construction

Consistent availability in
industrial environments and cost
savings due to low downtime

Ultimate economy efficiency for
the entire service life

High efficiency factor up to
94.5% and low operating costs

Further highlights:

Easy integration into every production facility



Compact design with small footprint

Very high reproducibility of processes



Consistent process results

Compact design of the external tank circuit



Easy integration into systems and facilities

TruHeat MF Series G3

TRUMPF Hüttinger – Your individual needs are our motivation

The history of TRUMPF Hüttinger is defined by technical developments and patents, offering sophisticated solutions to practical challenges, consistently developed in close cooperation with our customers. Here the concrete application or problem always takes center stage. With its pioneering spirit and expertise accumulated over decades, TRUMPF consistently helps bring efficient and lasting innovations to the market. Numerous processes worldwide have been intensified, accelerated, improved and made more environmentally friendly by TRUMPF Hüttinger developments. You can benefit from this and challenge us.

Application possibilities

The TruHeat MF Series G3 generators are mainly used for demanding induction heating tasks like crystal growing and epitaxy processes, especially for SiC, but are also suitable for traditional applications like hardening, annealing, soldering, welding or melting.

A product of decades of experience

TRUMPF Hüttinger launches the next generation of induction generators. The TruHeat MF Series G3 combines the well-known product features - from high reliability and robustness to state-of-the-art interfaces and an intelligent cooling concept. The best combination for your success!

Technical Data:

	TruHeat MF 3000 G3	TruHeat MF 7000 G3	TruHeat MF 7000 G3
Output power	10 – 50 kW	10 – 100 kW	300 kW
Output frequency	5 – 30 kHz, 20 – 200 kHz ¹		5 – 30 kHz
Output voltage	300 V, 600 V ⁴		
Mains supply	380 – 480 V ± 10 %		
Mains frequency	50/60 Hz		
Power factor	< 0,95		
Efficiency factor	< 94,5 %		
Power supply dimensions (WxHxD)	444mm x 400mm x 754mm	600mm x 1600mm x 800mm	1800 mm x 800 mm x 1600 mm
Weight	98 kg	349 kg	968 kg
Water flow rate	~ 11 l/min	~ 13 l/min (5 – 30 kHz) ~ 26 l/min (20 – 200 kHz)	40 l/min
Min. differential pressure	≥ 3 bar		
Max. water pressure	6 bar		
Water temperature	≤ 35 °C		
Interfaces	AD, RS 232/485 ³ , Profibus ³ , Profinet ³ or EtherCat		
Certificates	CE, Semi F47-0706 ³ , NRTL ² , FCC ³		

¹ Power derating at 200 kHz | ² optional | ³ contact us | ⁴ Inductor voltages up to 1200 V