

HEATING
DONE
RIGHT.



EXTRA THERM
SERIES

EXTRATHERM SERIES

EXTRATHERM generators deliver targeted induction heating for production lines and mobile applications. Each unit is purpose-built for its application, from compact line-integrated generators to powerful portable units for mounting and dismounting large components. The EXTRATHERM generators can be delivered with flexible and/or custom (fixed) coils.

The range includes models with advanced control features such as dual-sensor heating, multi-segment temperature profiles, and external communication for PLC integration. All models feature touchscreen operation with USB data export for traceability and are available in either air-cooled or water-cooled versions.



MODELS

WORKPIECE CAPABILITY

SPECIAL FEATURES

EXTRATHERM 01 A/W

Output: up to 2 kW
110 / 230V
19 kg

Compact entry-level mid-frequency generator for production-line integration; time/temperature ramp profiles; touchscreen with USB export; works with flexible and fixed inductors.

EXTRATHERM 03 A/W

Output: up to 4 kW
110 / 230 V
36 kg

Powerful mid-frequency generator for production-line integration; higher heating capacity than entry-level model; touchscreen with USB export; works with flexible and fixed inductors.

EXTRATHERM 10 A/W

Output: up to 24kW
380/400/440/460 or 480 V
39 kg

Flexible and reliable mid-frequency generator widely used in various heavy-industry businesses for both assembly and disassembly jobs; dual-sensor operation; multi-segment temperature profiles; touchscreen with USB export; flexible and fixed inductors.

EXTRATHERM 20 A/W

Output: up to 32.6 kW
380/400/440/460 or 480 V
39 kg

Powerful mid-frequency generator for mounting and dismounting of large components; dual-sensor operation; multi-segment temperature profiles; multi-unit synchronization; touchscreen with USB export; flexible and fixed inductors.

EXTRATHERM 01 A/W		EXTRATHERM 03 A/W		EXTRATHERM 10 A/W		EXTRATHERM 20 A/W	
CAPACITY							
Max. workpiece weight		Depends on inductor		Depends on inductor		Depends on inductor	
ELECTRICAL (GENERATOR)		*Different voltage or current on request					
Power rating		2.3 kVA		3.7 kVA		12.8 / 14.4 kVA	
Voltage		110 / 230 V		110 / 230 V		380 / 400 / 440 / 460 or 480 V	
Current max.		10 A		15 / 16 A		32 A	
Frequency		50 / 60 Hz		50 / 60 Hz		50 / 60 Hz	
Air-cooled		Yes		Yes		Yes	
Water-cooled		Optional		Optional		Optional	
Generator weight		19 kg		36 kg		39 kg	
OUTPUT GENERATOR							
Active power		1 / 2 kW		2 / 4 kW		22 / 24 kW	
Output frequency		10–25 kHz		10–25 kHz		10–25 kHz	
Tuning		Manual		Manual		Automatic	
Generator dimensions		250 x 215 x 400 mm		385 x 270 x 500 mm		880 x 350 x 712 mm	
CONTROLS							
Temperature (1 sensor)		0–240°C		0–240°C		0–240°C	
Temperature (2 sensors)		—		—		0–240°C, ΔT 20–50°C	
Time control		0–99 min		0–99 min		0–99 min	
Time / Temp Ramp		5–99 min / 5–240°C		5–99 min / 5–240°C		5–99 min / 5–240°C	
Temp-Time profile		—		—		Up to 8 segments	
Heating graph		Yes		Yes		Yes	
Set power		10–100%		10–100%		10–100%	
FEATURES							
Sound signal		Buzzer		Buzzer		Buzzer	
Temperature hold		Yes		Yes		Yes	
Demagnetizing		< 2A/cm		< 2A/cm		< 2A/cm	
Magnetic probe		1 piece		1 piece		1 piece	
Thermal safety guard		Yes		Yes		Yes	
Touchscreen		Yes		Yes		Yes	
Multi-unit operation		—		—		Leader-follower	
CONNECTIVITY							
Modbus RTU/TCP-IP		—		—		Optional	
Profinet		—		—		Optional	
DIMENSIONS & WEIGHT							
Generator dimensions		250 x 215 x 400 mm		385 x 270 x 500 mm		880 x 350 x 712 mm	
Generator weight		19 kg		36 kg		39 kg	
ACCESSORIES & OPTIONS							
Flexible inductor 15m		Optional		Optional		Optional	
Flexible inductor 25m		Optional		Optional		Optional	
Flexible inductor 35m		Optional		Optional		Optional	
Fixed inductor		On request		On request		On request	

EXTRATHERM 01

AIR-COOLED

The EXTRATHERM 01 is a compact mid-frequency induction generator in TM Induction Heating's EXTRATHERM range, operating in the 20–200 kHz frequency range for targeted, localized heating. At just 5 kg, it is designed for direct integration into production lines where specific parts need controlled heating before the next assembly step.

Mid-frequency induction delivers less heat penetration than low-frequency systems like EASYTHERM and SURETHERM, making EXTRATHERM ideal when heating the entire part is unnecessary or unwanted.

This allows focused heating on specific zones while limiting thermal impact on surrounding areas.

With 110/230 V input and air cooling, the EXTRATHERM 01 requires minimal infrastructure. It reduces cycle time, limits heat impact on the rest of the part, and keeps quality consistent across production runs.

-
- Compact mid-frequency generator with 1-2 kW output
 - 3x smaller form factor than predecessor
 - INVULLEN!
 - INVULLEN!
 - Compatible with both Flexible and Fixed Inductors
 - INVULLEN!



DATASHEET

EXTRA THERM 01

AIR-COOLED



ELECTRICITY	Power rating	2.0 kVA
	Voltage	110 or 230 V
	Current max.	8.5 A
	Frequency	50-60 Hz
	Air-cooled	Yes
	Water-cooled	Optional
	Weight	5.0 kg
OUTPUT GENERATOR	Active power	3.5 kW
	Tuning	To variety of loads and coils
DIMENSIONS	Generator L x W x H	250 x 140 x 230 mm
CONTROLS	Temperature (1 sensor)	0-240°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Set power	10-100%
TOUCHSCREEN	Heating Temperature (1 sensor)	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating time	Actual Temperature and Power, Set Temperature, Timer
	Heating Time / temp ramp	Set- and actual temperature, time and power
	Error report	Shown in display

OTHERS	Heating graph	Shown in display
	External interface	USB 2.0 Port for download graph and heating cycles and up load new software
	Sound signal	Buzzer
	Temperature hold	Yes
	Demagnetizing	< 2A/cm
	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
CONNECTIVITY	Analog start/stop	Analog start/stop (NO/NC)
	Power regulation	Power regulation 0-20 mA
	Analog error report	Analog error report (NO/NC)
WARRANTY	Max. 24 Months	

EXTRATHERM 01

WATER-COOLED

The EXTRATHERM 01 is a compact mid-frequency induction generator in TM Induction Heating's EXTRATHERM range, operating in the 20–200 kHz frequency range for targeted, localized heating. At just 5 kg, it is designed for direct integration into production lines where specific parts need controlled heating before the next assembly step.

Mid-frequency induction delivers less heat penetration than low-frequency systems like EASYTHERM and SURETHERM, making EXTRATHERM ideal when heating the entire part is unnecessary or unwanted.

This allows focused heating on specific zones while limiting thermal impact on surrounding areas.

With 110/230 V input and air cooling, the EXTRATHERM 01 requires minimal infrastructure. It reduces cycle time, limits heat impact on the rest of the part, and keeps quality consistent across production runs.

-
- Compact mid-frequency generator with 1-2 kW output
 - 3x smaller form factor than predecessor
 - INVULLEN!
 - INVULLEN!
 - Compatible with both Flexible and Fixed Inductors
 - INVULLEN!



DATASHEET

EXTRA THERM 01

WATER-COOLED



ELECTRICITY	Power rating	2.0 kVA
	Voltage	110 or 230 V
	Current max.	8.5 A
	Frequency	50-60 Hz
	Air-cooled	Yes
	Water-cooled	Optional
	Weight	5.0 kg
OUTPUT GENERATOR	Active power	3.5 kW
	Tuning	To variety of loads and coils
DIMENSIONS	Generator L x W x H	250 x 140 x 230 mm
CONTROLS	Temperature (1 sensor)	0-240°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Set power	10-100%
TOUCHSCREEN	Heating Temperature (1 sensor)	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating time	Actual Temperature and Power, Set Temperature, Timer
	Heating Time / temp ramp	Set- and actual temperature, time and power
	Error report	Shown in display

OTHERS	Heating graph	Shown in display
	External interface	USB 2.0 Port for download graph and heating cycles and up load new software
	Sound signal	Buzzer
	Temperature hold	Yes
	Demagnetizing	< 2A/cm
	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
CONNECTIVITY	Analog start/stop	Analog start/stop (NO/NC)
	Power regulation	Power regulation 0-20 mA
	Analog error report	Analog error report (NO/NC)
WARRANTY	Max. 24 Months	

EXTRATHERM 03

AIR-COOLED

The EXTRATHERM 02 is the higher-power mid-frequency induction generator in TM Induction Heating's EXTRATHERM range, delivering up to 6 kW in the 20–200 kHz frequency range. At 15 kg, it handles heavier production line applications where the EXTRATHERM 01 reaches its capacity limits.

Like the 01, it operates on mid-frequency induction for targeted heating with less penetration than low-frequency systems.

This makes it suitable for production processes where only specific zones of a component need to be heated before assembly.

With 110/230 V input, air cooling, and a straightforward control interface, the EXTRATHERM 02 integrates into existing production lines with minimal setup. It is designed for applications requiring higher power output while maintaining the same compact, inline heating approach.

-
- Compact mid-frequency generator with 2-4 kW output
 - Dual-sensor operation for tension-free heating
 - Compatible with both Flexible and Fixed Inductors
 - 3x smaller form factor than predecessor
 - Multi-segment temperature profile mode (up to 8 segments)
 - Optional Modbus/Profinet for industrial connectivity



DATASHEET

EXTRA THERM 03

AIR-COOLED



ELECTRICITY	Power rating	3.6 kVA
	Voltage	110 or 230 V
	Current max.	16.0 A
	Frequency	50-60 Hz
	Air-cooled	Yes
	Water-cooled	Optional
	Weight	15.0 kg
OUTPUT GENERATOR	Active power	6 kW
	Tuning	To variety of loads and coils
DIMENSIONS	Generator L x W x H	260 x 255 x 160 mm
CONTROLS	Temperature (1 sensor)	0-240°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Set power	10-100%
TOUCHSCREEN	Heating Temperature (1 sensor)	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating time	Actual Temperature and Power, Set Temperature, Timer
	Heating Time / temp ramp	Set- and actual temperature, time and power
	Error report	Shown in display

OTHERS	Heating graph	Shown in display
	External interface	USB 2.0 Port for download graph and heating cycles and up load new software
	Sound signal	Buzzer
	Temperature hold	Yes
	Demagnetizing	< 2A/cm
	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
CONNECTIVITY	Analog start/stop	Analog start/stop (NO/NC)
	Power regulation	Power regulation 0-20 mA
	Analog error report	Analog error report (NO/NC)
WARRANTY	Max. 24 Months	

EXTRATHERM 03

WATER-COOLED

The EXTRATHERM 02 is the higher-power mid-frequency induction generator in TM Induction Heating's EXTRATHERM range, delivering up to 6 kW in the 20–200 kHz frequency range. At 15 kg, it handles heavier production line applications where the EXTRATHERM 01 reaches its capacity limits.

Like the 01, it operates on mid-frequency induction for targeted heating with less penetration than low-frequency systems.

This makes it suitable for production processes where only specific zones of a component need to be heated before assembly.

With 110/230 V input, air cooling, and a straightforward control interface, the EXTRATHERM 02 integrates into existing production lines with minimal setup. It is designed for applications requiring higher power output while maintaining the same compact, inline heating approach.

-
- Compact mid-frequency generator with 2-4 kW output
 - Dual-sensor operation for tension-free heating
 - Compatible with both Flexible and Fixed Inductors
 - 3x smaller form factor than predecessor
 - Multi-segment temperature profile mode (up to 8 segments)
 - Optional Modbus/Profinet for industrial connectivity



DATASHEET

EXTRA THERM 03

WATER-COOLED



ELECTRICITY	Power rating	3.6 kVA
	Voltage	110 or 230 V
	Current max.	16.0 A
	Frequency	50-60 Hz
	Air-cooled	Yes
	Water-cooled	Optional
	Weight	15.0 kg
OUTPUT GENERATOR	Active power	6 kW
	Tuning	To variety of loads and coils
DIMENSIONS	Generator L x W x H	260 x 255 x 160 mm
CONTROLS	Temperature (1 sensor)	0-240°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Set power	10-100%
TOUCHSCREEN	Heating Temperature (1 sensor)	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating time	Actual Temperature and Power, Set Temperature, Timer
	Heating Time / temp ramp	Set- and actual temperature, time and power
	Error report	Shown in display

OTHERS	Heating graph	Shown in display
	External interface	USB 2.0 Port for download graph and heating cycles and up load new software
	Sound signal	Buzzer
	Temperature hold	Yes
	Demagnetizing	< 2A/cm
	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
CONNECTIVITY	Analog start/stop	Analog start/stop (NO/NC)
	Power regulation	Power regulation 0-20 mA
	Analog error report	Analog error report (NO/NC)
WARRANTY	Max. 24 Months	

EXTRATHERM10 AIR-COOLED

The EXTRATHERM 10 A/W is the compact entry-level generator in TM Induction Heating's EXTRATHERM range, delivering up to 24 kW of mid-frequency output for targeted heating applications. Designed for use with air-cooled inductors, the EXTRATHERM 10 A/W offers industrial-grade induction heating in a portable, lightweight format.

Using a Flexible Inductor, it is possible to heat components with different shapes and sizes. A Fixed Inductor can be designed for specific, repeatable production applications.

The unit features dual-sensor operation, time/temperature ramp profiles, and multi-segment temperature profiling for precise thermal control.

With an industrial touchscreen, USB data export, and optional Modbus RTU/TCP-IP or Profinet connectivity, the EXTRATHERM 10 A/W integrates efficiently into production lines where controlled, localized heating is required.

- Entry-level EXTRATHERM with up to 24 kW output
- Dual-sensor operation with ramp profiles
- Flexible and Fixed Inductor compatibility
- Multi-segment temperature profile mode (up to 8 segments)
- Industrial touchscreen with USB data export
- Optional Modbus/Profinet connectivity for industrial connectivity



DATASHEET

EXTRATHERM10 AIR-COOLED



ELECTRICITY	Power rating	6.4 / 7.7 kVA
	Voltage	380/400/440/460 or 575 V*
	Current max.	16 A
	Frequency	50-60 Hz
	Air-cooled	Yes
	Water-cooled	Optional
	Weight	39 kg
OUTPUT GENERATOR	Frequency	10-25 kHz
	Active power	22 / 24 kW
	Tuning	Automatic tuning
	Measurements Generator	440 x 350 x 712 mm
CONTROLS	Temperature	0-240°C
	Temperature (2 sensors)	0-240°C ΔT 20-50°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Temp-Time profile mode	Setting multi-segment temperature profile, up to 8
SYNCHRONIZED CONTROL	Set power	10-100%
	Multi-unit operation	Leader - follower control to couple multi generators

TOUCHSCREEN	Heating Temperature (1 sensor)	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating Temperature (2 sensors)	Set- and actual temperature, time and power. Actual temperature difference between inside and outside diameter
	Heating time	Actual Temperature and Power, Set Temperature, Timer
	Heating Time / temp ramp	Set- and actual temperature, time and power
	Languages	English, German, Spanish, French
OTHERS	Error report	Shown in display
	Heating graph	Shown in display
	External interface	USB 2.0 Port for download graph and heating cycles and up load new software
	Sound signal	Buzzer
	Magnetic probe	One piece (standard package)
CONNECTIVITY	Thermal safety guard coil	Yes
	Optional	Modbus RTU/TCP-IP or Profinet
INDUCTORS (OPTION)	Flexible inductor 300°C	15 / 25 / 35 meter
	Fixed inductor	on request
WARRANTY		Max. 24 Months

EXTRATHERM 20 AIR-COOLED

The EXTRATHERM 20 A/W is a powerful and mobile induction heating generator in TM Induction Heating's EXTRATHERM range, designed for mounting and dismounting of large components. With 27-32.6 kW of output power in a form factor three times smaller than its predecessor, it delivers serious heating capability in a portable package weighing just 39 kg.

Key functions include dual-sensor operation for tension-free heating, a multi-segment temperature profile mode with up to 8 segments, and a temperature ramp function for controlled heating processes.

The industrial touchscreen provides real-time feedback on all parameters, and data export via USB supports traceability. Multi-unit operation with leader-follower control is available for synchronized heating applications.

Designed for flexibility, the EXTRATHERM 20 A/W works with both Flexible Inductors (for gears, couplings, and bearings) and Fixed Inductors (for repeatable production cycles). Optional Modbus RTU/TCP-IP or Profinet connectivity enables integration into industrial control systems.

- Powerful mobile generator with 27-32.6 kW output
- Dual-sensor operation for tension-free heating
- Compatible with both Flexible and Fixed Inductors
- 3x smaller form factor than predecessor
- Multi-segment temperature profile mode (up to 8 segments)
- Optional Modbus/Profinet for industrial connectivity



DATASHEET

EXTRATHERM 20 AIR-COOLED



ELECTRICITY	Power rating	12.8 / 14.4 kVA
	Voltage	380/400/440/460 or 575 V*
	Current max.	32 / 39 A
	Frequency	50-60 Hz
	Air-cooled	Yes
	Water-cooled	Optional
	Weight	39 kg
OUTPUT GENERATOR	Frequency	10-25 kHz
	Active power	27 / 32.6 kW
	Tuning	Automatic tuning
CONTROLS	Measurements Generator	440 x 350 x 712 mm
	Temperature	0-240°C
	Temperature (2 sensors)	0-240°C ΔT 20-50°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Temp-Time profile mode	Setting multi-segment temperature profile, up to 8
SYNCHRONIZED CONTROL	Set power	10-100%
	Multi-unit operation	Leader - follower control to couple multi generators

TOUCHSCREEN	Heating Temperature (1 sensor)	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating Temperature (2 sensors)	Set- and actual temperature, time and power. Actual temperature difference between inside and outside diameter
	Heating time	Actual Temperature and Power, Set Temperature, Timer
	Heating Time / temp ramp	Set- and actual temperature, time and power
	Languages	English, German, Spanish, French
OTHERS	Error report	Shown in display
	Heating graph	Shown in display
	External interface	USB 2.0 Port for download graph and heating cycles and up load new software
	Sound signal	Buzzer
CONNECTIVITY	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
	Optional	Modbus RTU/TCP-IP or Profinet
	INDUCTORS (OPTION)	
	Flexible inductor 300°C	15 meter
WARRANTY	Flexible inductor 300°C	25 meter
	Flexible inductor 300°C	35 meter
	Fixed inductor	on request
	Max. 24 Months	

EXTRATHERM 30 AIR-COOLED

The EXTRATHERM 30 A/W is the most powerful generator in TM Induction Heating's EXTRATHERM range, delivering up to 49 kW of mid-frequency output for demanding industrial heating applications. The EXTRATHERM 30 A/W offers significant power, uses air-cooled inductors and is designed for heating larger workpieces.

Using a Flexible Inductor, it is possible to heat components with different shapes and sizes. A Fixed Inductor can be designed for specific, repeatable production applications.

The unit supports dual-sensor operation, time/temperature ramp profiles, and multi-unit synchronization for complex heating processes.

With an industrial touchscreen, USB data export, and optional Modbus RTU/TCP-IP or Profinet connectivity, the EXTRATHERM 30 A/W integrates into automated production environments where power, precision, and traceability are essential.

- Powerful generator with 43-49 kW output
- Dual-sensor operation for tension-free heating
- Compatible with both Flexible and Fixed Inductors
- Most powerful generator in the current EXTRATHERM
- Multi-segment temperature profile mode (up to 8 segments)
- Optional Modbus/Profinet for industrial connectivity



DATASHEET

EXTRA THERM 30

AIR-COOLED



ELECTRICITY	Power rating	25.8 / 29 kVA
	Voltage	380/400/440/460 or 575 V*
	Current max.	60 / 63 A
	Frequency	50-60 Hz
	Air-cooled	Yes
	Water-cooled	Optional
	Weight	62 kg
OUTPUT GENERATOR	Frequency	10-25 kHz
	Active power	43 / 49 kW
	Tuning	Automatic tuning
CONTROLS	Measurements Generator	440 x 350 x 712 mm
	Temperature	0-240°C
	Temperature (2 sensors)	0-240°C ΔT 20-50°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Temp-Time profile mode	Setting multi-segment temperature profile, up to 8
	Set power	10-100%
SYNCHRONIZED CONTROL	Multi-unit operation	Leader - follower control to couple multi generators

TOUCHSCREEN	Heating Temperature (1 sensor)	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating Temperature (2 sensors)	Set- and actual temperature, time and power. Actual temperature difference between inside and outside diameter
	Heating time	Actual Temperature and Power, Set Temperature, Timer
	Heating Time / temp ramp	Set- and actual temperature, time and power
	Languages	English, German, Spanish, French
OTHERS	Error report	Shown in display
	Heating graph	Shown in display
	External interface	USB 2.0 Port for download graph and heating cycles and up load new software
	Sound signal	Buzzer
	Magnetic probe	One piece (standard package)
CONNECTIVITY	Thermal safety guard coil	Yes
	Optional	Modbus RTU/TCP-IP or Profinet
INDUCTORS (OPTION)	Flexible inductor 300°C	15 / 25 / 35 meter
	Fixed inductor	on request
WARRANTY	Max. 24 Months	

