TM
INDUCTION HEATING

HEATING DONE RIGHT.



EXTRATHERM
SERIES

EXTRA**THERM** 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.

COMPARE PRODUCTS

	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	Depends on inductor
ELECTRICAL (GENERATOR) *Different voltage or current on request				
Power rating	2.3 kVA	3.7 kVA	12.8 / 14.4 kVA	16 / 19.2 kVA
Voltage	110 / 230 V	110 / 230 V	380 / 400 / 440 / 460 or 480 V	380 / 400 / 440 / 460 or 480 V
Current max.	10 A	15 / 16 A	32 A	40 A
Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Air-cooled	Yes	Yes	Yes	Yes
Water-cooled	Optional	Optional	Optional	Yes
Generator weight	19 kg	36 kg	39 kg	39 kg
OUTPUT GENERATOR				
Active power	1 / 2 kW	2 / 4 kW	22 / 24 kW	27 / 32.6 kW
Output frequency	10–25 kHz	10–25 kHz	10–25 kHz	10–25 kHz
Tuning	Manual	Manual	Automatic	Automatic
Generator dimensions	250 x 215 x 400 mm	385 x 270 x 500 mm	880 x 350 x 712 mm	880 x 350 x 712 mm
CONTROLS				
Temperature	0–240°C	0–240°C	300°C (A) 500°C (W)	300°C (A) 500°C (W)
2 temperature sensors	—	—	Max. 350°C (A) On request (W)	Max. 350°C (A) On request (W)
Time control	0–99 min	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	5–99 min / 5–240°C
Temp-Time profile	—	—	Up to 8 segments	Up to 8 segments
Heating graph	Yes	Yes	Yes	Yes
Set power	10–100%	10–100%	10–100%	10–100%
FEATURES				
Sound signal	Buzzer	Buzzer	Buzzer	Buzzer
Temperature hold	Yes	Yes	Yes	Yes
Demagnetizing	< 2A/cm	< 2A/cm	< 2A/cm	< 2A/cm
Magnetic probe	1 piece	1 piece	1 piece	1 piece
Thermal safety guard	Yes	Yes	Yes	Yes
Touchscreen	Yes	Yes	Yes	Yes
Multi-unit operation	—	—	Leader-follower	Leader-follower
CONNECTIVITY				
Modbus RTU/TCP-IP	—	—	Optional	Optional
Profinet	—	—	Optional	Optional
DIMENSIONS & WEIGHT				
Generator dimensions	250 x 215 x 400 mm	385 x 270 x 500 mm	880 x 350 x 712 mm	880 x 350 x 712 mm
Generator weight	19 kg	36 kg	39 kg	39 kg
ACCESSORIES & OPTIONS				
Flexible inductor 15m	Optional	Optional	Optional	Optional
Flexible inductor 25m	Optional	Optional	Optional	Optional
Flexible inductor 35m	Optional	Optional	Optional	Optional
Fixed inductor	On request	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	0-240°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Set power	10-100%
TOUCHSCREEN	Heating Temperature	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	12-24 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	0-240°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Set power	10-100%
TOUCHSCREEN	Heating Temperature	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	12-24 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
- 3x smaller form factor than predecessor
- Dual-sensor operation for tension-free heating
- Multi-segment temperature profile mode (up to 8 segments)
- Compatible with both Flexible and Fixed Inductors
- Optional Modbus/Profinet for industrial connectivity



DATASHEET

EXTRATHERM 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	0-240°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Set power	10-100%
TOUCHSCREEN	Heating Temperature	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	12-24 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
- 3x smaller form factor than predecessor
- Dual-sensor operation for tension-free heating
- Multi-segment temperature profile mode (up to 8 segments)
- Compatible with both Flexible and Fixed Inductors
- 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	0-240°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
	Set power	10-100%
TOUCHSCREEN	Heating Temperature	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	12-24 Months	

EXTRATHERM 10 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

EXTRATHERM 10 AIR-COOLED



ELECTRICITY	Power rating	6.4 / 7.7 kVA
	Voltage	400/440/460/480 V
	Current max.	32 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	300°C ΔT 20-50°C
	2 temperature sensors	Max. 350°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-300°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	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating Temperature (2 temperature 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
	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
	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
CONNECTIVITY	Optional	Modbus RTU/TCP-IP or Profinet
INDUCTORS (OPTION)	Flexible inductor 300°C	15 / 25 / 35 meter
	Fixed inductor	on request
WARRANTY	12-24 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
- 3x smaller form factor than predecessor
- Dual-sensor operation for tension-free heating
- Multi-segment temperature profile mode (up to 8 segments)
- Compatible with both Flexible and Fixed Inductors
- Optional Modbus/Profinet for industrial connectivity







DATASHEET

EXTRATHERM 20 AIR-COOLED



ELECTRICITY	Power rating	12.8 / 14.4 kVA
	Voltage	400/440/460/480 V
	Current max.	40 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
	Measurements Generator	440 x 350 x 712 mm
CONTROLS	Temperature	300°C ΔT 20-50°C
	2 temperature sensors	Max. 350°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-300°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	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating Temperature (2 temperature 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
	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
	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
CONNECTIVITY	Optional	Modbus RTU/TCP-IP or Profinet
INDUCTORS (OPTION)	Flexible inductor 300°C	15 meter
	Flexible inductor 300°C	25 meter
	Flexible inductor 300°C	35 meter
	Fixed inductor	on request
WARRANTY	12-24 Months	

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







DATASHEET

EXTRATHERM 30 AIR-COOLED



ELECTRICITY	Power rating	25.8 / 29 kVA
	Voltage	400/440/460/480 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
	Measurements Generator	440 x 350 x 712 mm
CONTROLS	Temperature	0-240°C
	2 temperature 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	Actual Temperature and Power, Set Temperature and Power, Timer
	Heating Temperature (2 temperature 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
	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
	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
CONNECTIVITY	Optional	Modbus RTU/TCP-IP or Profinet
INDUCTORS (OPTION)	Flexible inductor 300°C	15 / 25 / 35 meter
	Fixed inductor	on request
WARRANTY	12-24 Months	

