

smart
induction
heating

SURETHERM
5X.

The SURETHERM 5X is a powerful and intelligent induction heater, designed for fast, tension-free heating of bearings, gearwheels, and other precision components. Engineered to meet the highest industrial standards, the 5X delivers consistent results while protecting the integrity of your parts.

The SURETHERM 5X is the entry-level model in TM Induction Heating’s professional SURETHERM series — built to deliver high-quality, controlled heating for bearings, gearwheels, and other ring-shaped components. Though compact, the 5X meets the same engineering standards as the rest of the SURETHERM range, ensuring reliable, tension-free heating for parts up to 25 kg.

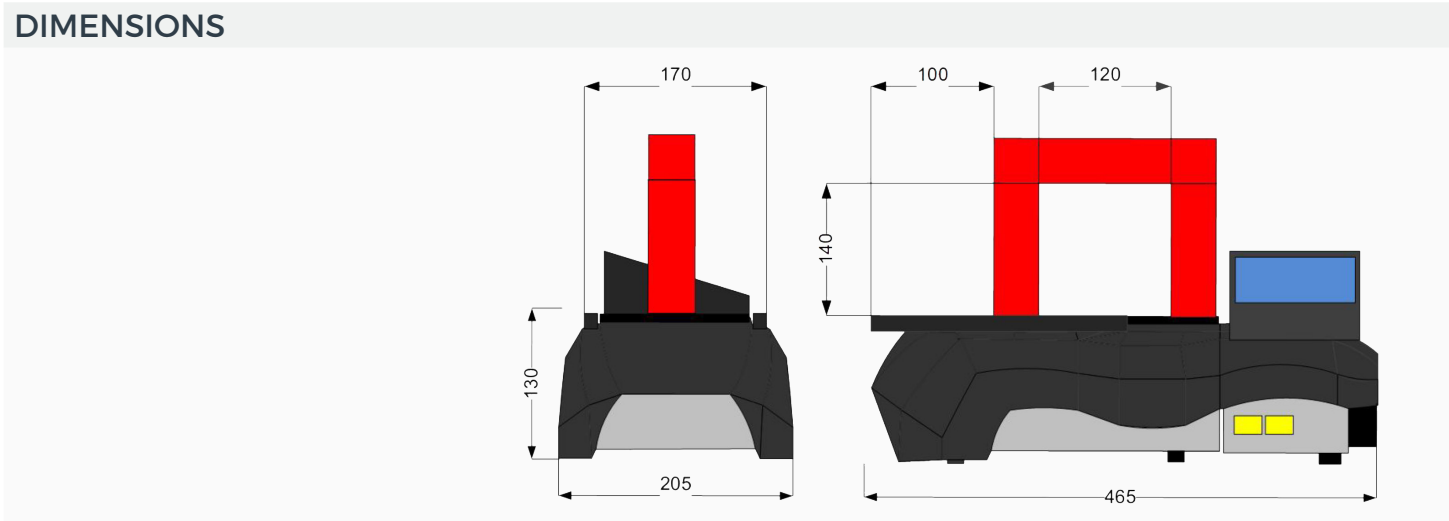
Key functions include optional dual-sensor operation and ramp mode, allowing precise thermal control to protect metallurgical structure. The unit features an industrial touchscreen

interface for easy setup, real-time monitoring, and heating graph display. All data can be exported via USB, and firmware updates are supported throughout the product’s life cycle.

Designed for production and maintenance environments, the SURETHERM 5X offers consistent performance with minimal operator effort. It combines the predictability and durability expected from TM Induction Heating systems-making it a practical and efficient choice where high performance and repeatability are required in a compact footprint.



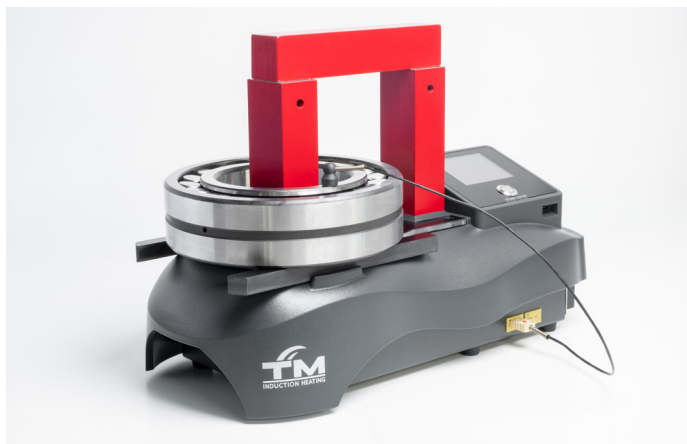
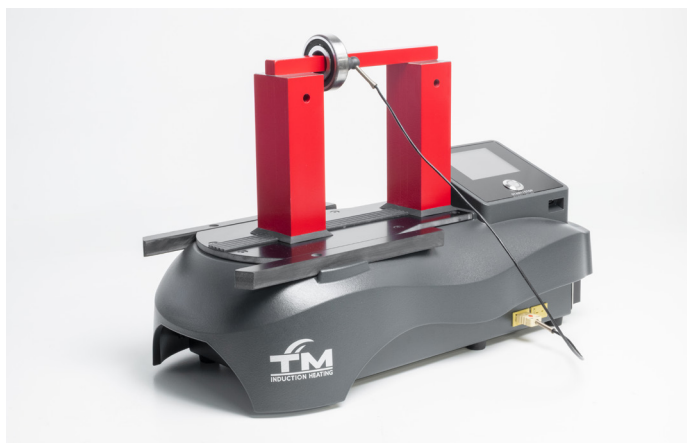
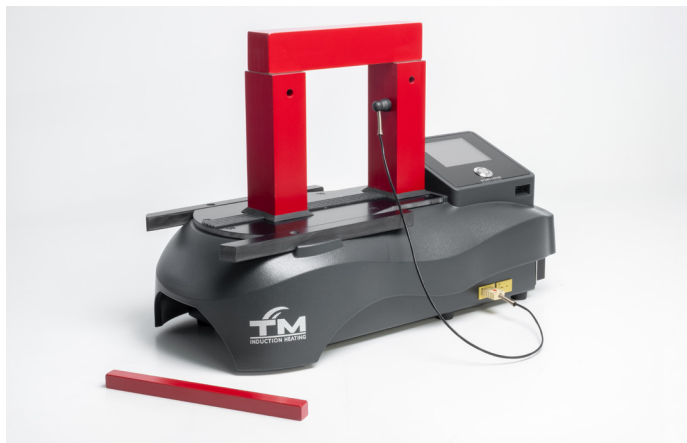
ELECTRICITY	Power rating	2.3 kVA
	Voltage	110-230V
	Current max.	10A
	Frequency	50-60 Hz
WORKPIECE MAX. WEIGHT	Bearings and other parts	25kg
WORKPIECE DIMENSIONS	Min. bore Vertical	ø15 mm
	Min. bore Horizontal	66 mm
	Max. Outer diameter	300 mm
	Max. Workpiece width	140 mm



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WEIGHT	12.5 KG (without yokes)	
CONTROLS (for tension free heating)	Temperature (1 sensor)	0-240°C (custom: 0-400°C)
	Temperature (2 sensor) (2nd sensor optional)	0-240°C ΔT 20-50°C
	Time	0-99 min
	Time / Temperature Ramp	5-99 min / 5-240°C
TOUCHSCREEN 	Heating Temperature (1 sensor)	Set- and actual temperature, time and power
	Heating time	Set- and actual time
	Heating Time / temp ramp	Set- and actual temperature, time and power
	Languages	English, German, Spanish, French
	Error report	Shown in display
OPTIONAL	Heating Temperature (2 sensor) (2nd sensor optional)	Set- and actual temperature, time and power. Actual temperature difference between inside and outside diameter
OTHERS	Heating graph	Shown in display
	External interface	USB 2.0 Port
	Sound signal	Buzzer
	Temperature hold	Yes
	Demagnetizing	< 2A/cm
	Magnetic probe	One piece (standard package)
	Thermal safety guard coil	Yes
STANDARD YOKE	Dimensions (mm)	Min. bore (mm)
	40x38x200	ø55
	14x14x200	ø20
AVAILABLE YOKES (optional)	Dimensions (mm)	Min. bore (mm)
	10x10x200	ø15
	25x24x200	ø35
	30x26x200	ø40
	40x50x75 Set adapter yokes	
WARRANTY	Max. 36 Months (24+12)	

SURETHERM 5X



HEATING DONE RIGHT.



ISO 9001:2015
ID 9000001589
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