JOSAM induction heating

MAET
ACT
AUTOMATIC COOLING TECHNOLOGY
ECO
FRIENDLY
USB

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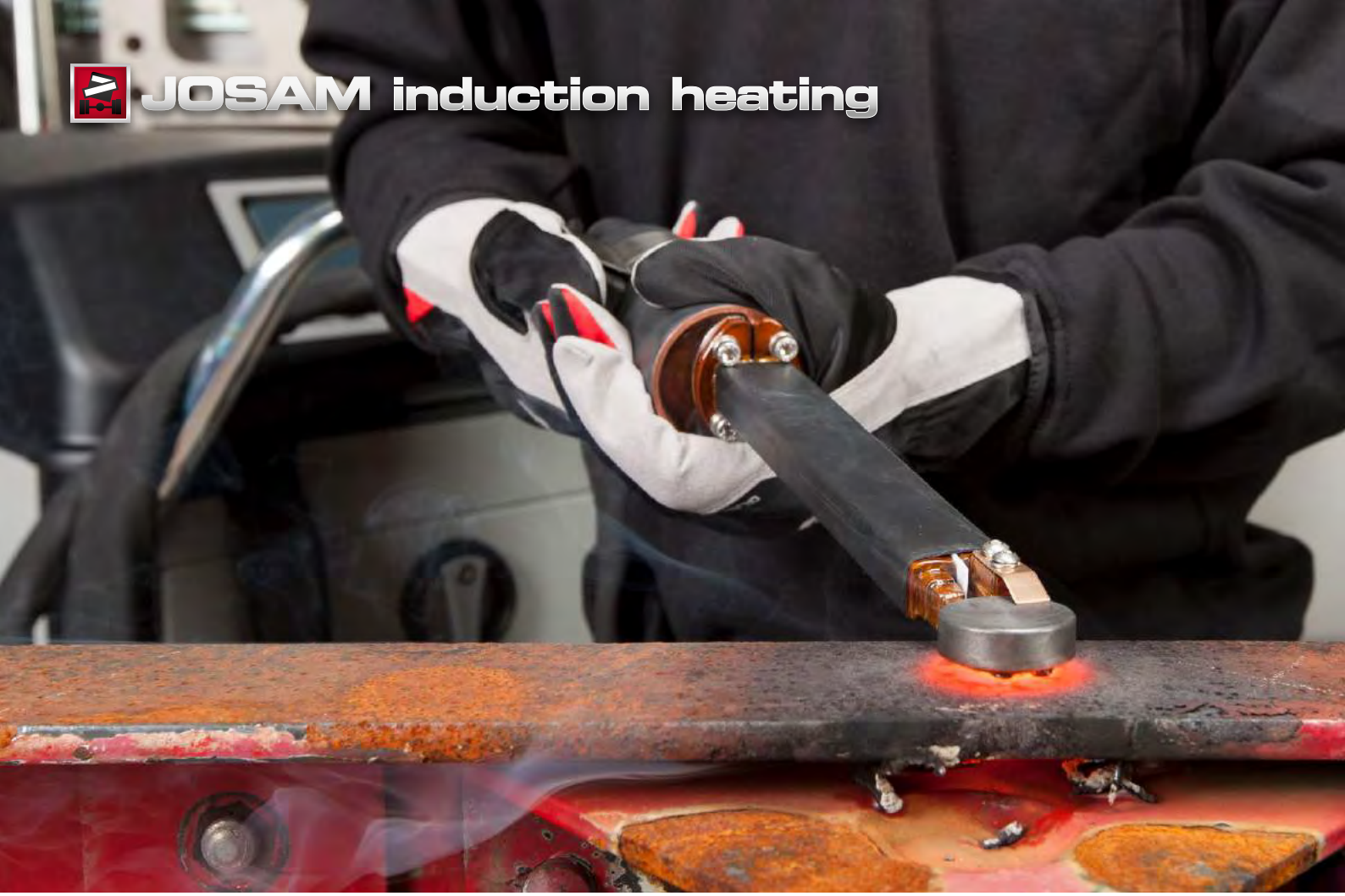

Induction heaters from JOSAM make your job in the workshop easier

With 20 years of experience in induction heating JOSAM is the obvious supplier for your workshop. The advantages of induction heating compared with an open flame are manyfold. Using gas in the workshop is both more dangerous and requires more maintenance than an induction heater. With an induction heater from JOSAM you minimize the risks of personal injury and damage to nearby sensitive machine parts during repair work that requires heating.

JH400 is used for sheet metal straightening and loosening of small machine parts such as nuts up to M24, pins, or clamping rings. The machine is mainly used for lighter repair work. The highly efficient induction heater enables the heating of small parts without damaging parts nearby. Overheating of the material is avoided through the use of five different output levels and a unique regulation and power control system. Cooling of the induction heater is provided using an efficient closed water cooling system.

JH1000 is convenient for lighter straightening and loosening of coarser machine parts such as nuts and bolts, bushings and bearings as well as smaller chassis. Our mid-range model is a flexible but powerful induction heater adapted for truck and construction machinery workshops.

JH1000 is designed for improved movability and has good reach thanks to its long hose package and cables. The heating effect can be controlled through the control panel's 5 output levels. Efficient cooling is provided via a fan and condensor unit in a closed water cooling system.

JH1500 is the successor of the JH1300 induction heater. This upgraded version is lighter, has improved software and is easier to maneuver but still produces the same amount of power as its predecessor. Moreover, it features five output levels and is water cooled with compressor for optimal running time. To be able to execute the most demanding types of heating work, this is your weapon of choice.

Heat is applied directly to the material without the need to disassemble nearby heat-sensitive components. Chassis, axles, joint reinforcements, bolts, clamping rings, pins and heavier steel parts can simply be heated up for loosening, adjusting or straightening.

JH400

Mains supply:	208-240 V, 1 Ph+PE, 50/60 Hz, 16 A
Protection class:	IP 21
Working frequency:	18-40 kHz
Output stages:	5
Input power:	4 kW
Output power	
- induction power:	3.7 kW
Induction cable:	3 m
Cooling system:	Water cooled
Continuous operating time:	20 minutes*
Weight:	54 kg with full tank
Water tank:	20 liters
Size (L×W×H):	520×360×990 mm

*at 20°C ambient temperature at max. power

JH1000

Mains supply:	380-400 V, 3 Ph+PE, 50/60 Hz, 16 A 200 V, 3 Ph+PE, 50/60 Hz, 32 A
Protection class:	IP 21
Working frequency:	14-30 kHz
Output stages:	5
Input power:	11 kW
Output power:	
- induction power:	10 kW
Induction cable:	6 m
Cooling system:	Water cooled
Continuous operating time:	40 minutes*
Weight:	105 kg with full tank
Water tank:	35 liters
Size (L×W×H):	757×557×1166 mm

*at 20°C ambient temperature at max. power

JH1500

Mains supply:	380-400 V, 3 Ph+PE, 50/60 Hz, 32 A 200 V, 3 Ph+PE, 50/60 Hz, 63 A
Protection class:	IP 21
Working frequency:	14-30 kHz
Input power:	15 kW
Output power	
- induction power:	13 kW
Induction cable:	6 m
Cooling system:	Water cooled with compressor
Continuous operating time:	> 60 minutes*
Weight:	175 kg with full tank
Water tank:	40 liters
Size (L×W×H):	973×663×1168 mm

*at 20°C ambient temperature at max. power

Meet future environmental targets and energy requirements

Modular Adaptive Energy Technology is an adaptive process regulator with variable frequency control and extremely fast FPGA (Field Programmable Gate Array) providing operationally safe and energy saving control of the induction heating.

In practice, this means that the machine always adjusts itself to deliver exactly the set output while consuming as little power as possible.

Automatic cooling in the induction heaters means that the cooler is only active when needed. In contrast to continuous machine cooling this makes the work environment quieter and reduces energy consumption.

The technology incorporated in Josam's induction heaters makes them extremely efficient and energy saving. Josam is therefore a truly environmentally friendly choice.

The USB connection simplifies servicing and upgrading the software. The platform is future-proof and upgradable thanks to an interface where the software and hardware are built in separate modules.

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