

Working principle

The MPI unit generates heat, which is directed into metal objects through a coil. It is therefore able to precisely heat and shrink even the most stubborn metal parts without any risk of damaging the surrounding material.

The coil for the relevant engine size is mounted to the "Junction Box". The flexible connection to the transformer allows the coil to be inserted into the cylinder head.

The coil guide ensures that the coil is positioned correctly with respect to the valve seat.



Other application areas

Heat treatment of metals: hardening, tempering, annealing, melting, heating before forging, hot forming, sintering, hot curing of adhesives, spot heating and shrink fitting.

Cooling system matched for the MPI (optional)

Closed system with programmable water outlet temperature, and built-in circulation pump for protection of the MPI and optimal running condition. The cooling device is equipped with a separate electrical connection and comes with a 2 m cable of 3 x 2.3 mm².

The cooling device requires 1 x 230 VAC and protective ground, and the max. power consumption is 2 kW (equals 9 A).



Technical specifications

• Output power	30 kW
• Output frequency	40 - 60 kHz
• Power supply	1 x 210 - 250 V, 50 Hz or 1 x 210 - 250 V 60 Hz (selected at order) 2.4 kW, 10A
• Cooling requirements	10-12 l/min @ 2 bar
• Weight	160 kg
• Generator dimensions (HxWxD)	1350 x 600 x 600 mm excl. handles etc.