

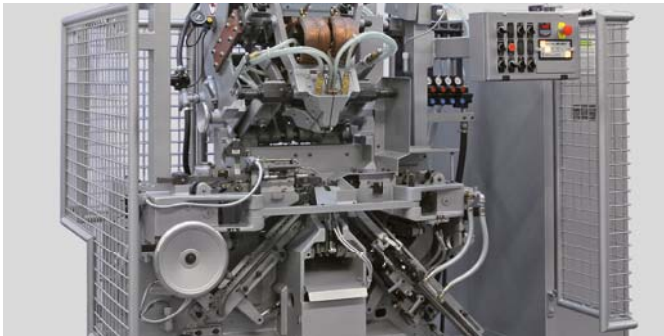
Chain Welding Machines for Resistance Butt Welding of Round Steel Chains



KEH Series

KEH Series

▼ KEH 3



▼ KEH 8



Our Accomplishments for your Benefit

- Robust machine design for the production of high-strength chains over a long period of time
- Continuous welding of all chain links in one cycle
- Complete deburring of welding burr
- Frequently copied but never matched

Design Features

- Drive system:
 - Three-phase brake motor (KEH 3)
 - Servomotor (KEH 8)
- Complete deburring of welding burr takes place in two cycles: transverse deburring and longitudinal deburring. This ensures an optimum chain link surface without deburring residue.
- Safety devices for protecting tools and machine parts.
- Upper part of the machine can be swiveled backward to ensure optimum tool accessibility.

▼ KEH 8 – Hydraulic power unit



Quality, Reliability, and Efficiency – WAFIOS KEH Chain Welding Machines

Application

KEH-series chain welding machines are used for the resistance butt welding of bent round steel chains with notching on the chain link ends. The welding burr on the chain link is completely deburred by the chain welding machine.



▲ Set of tools for KEH

Quality

For more than 125 years, the name of WAFIOS has been synonymous with highest quality, safety standards, and technical innovations in the German machine manufacturing industry.

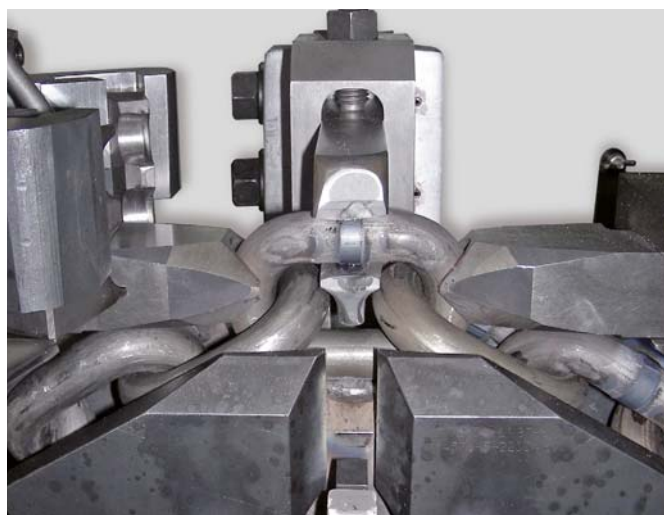
Reliability

Strict quality controls, state-of-the-art production systems, and many years of experience guarantee that your investment is safe in our hands. Our global service network ensures high availability of WAFIOS machinery.

Efficiency

High production output and a long service life will save money and shorten the amortization time of your investment.

▼ Set of tools for KEH 8



| Technical data | KEH 3 S | KEH 3 | KEH 8 |
|---|-----------------------------------|-----------------------------------|---|
| Wire diameter: | 3.0–5.0 mm | 3.0–6.0 mm | 13.0–20.0 mm |
| Welded chain link: Pitch / inside link length | 9.0–31.0 mm min. 2.7 x d | 9.0–39.0 mm min. 2.7 x d | 32.0–130.0 mm min. 2.7 x d |
| Output: | 90–84 links/min | 75–65 links/min | 27–14 links/min |
| Power installed: | 2.2 kW | 2.2 kW | 27.4 kW |
| Welding transformer: rated power at 50% duty cycle connected load | 30 kVA 45 kVA | 40 kVA 60 kVA | 315 kVA 450 kVA |
| Compressed air requirement: (l/cycle at 6 bar) | 6 l/cycle | 6 l/cycle | 0,5 l/cycle |
| Cooling water consumption: (l/min at 3 bar) | 15 l/min | 15 l/min | 35 l/min at 4 bar |
| Hydraulic system tank contents: | – | – | 630 Liter |
| Space required: (l x w x h) | abt. 2,560 x 2,400 x 2,300 mm | abt. 2,560 x 2,400 x 2,300 mm | abt. 5,500 x 4,000 x 2,750 mm |
| Net weight: | abt. 2,000 kg abt. 400 kg – | abt. 2,000 kg abt. 400 kg – | abt. 9,000 kg abt. 400 kg abt. 1,700 kg |
| | | | Machine Switch cabinet Hydraulic system |



Our product range includes a wide variety of high-quality chain machines.

- Chain Welding machines, KEH.2 series
- Chain bending machines, KEB .1 series and KEB .2 series
- Chain bending machines, KER .2 series and KER 8
- KBA 601 chain bending machine with conductive (WED 601) or with inductive (IEW 601) blank heating
- Chain bending machine KBF 60 with inductive blank heating (IEW 60)
- Chain Welding machines, KSH series and KSF 80
- Chain calibrating machines, KPH series
- KBS 4.1 Combined chain bending and welding machine

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Machinery for Wire and Tube