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BIHLER B 5000

Medium-Frequency Resistance Welding System



PRICE

On request

bandsagen.de · info@bandsagen.de

YEAR

2016

PRESS FORCE

6 kA

POWER

70 kVA

TYPE:

B 5000

CONTROL VOLTAGE:

24 VDC



40

YEARS IN MACHINERY

2,500+

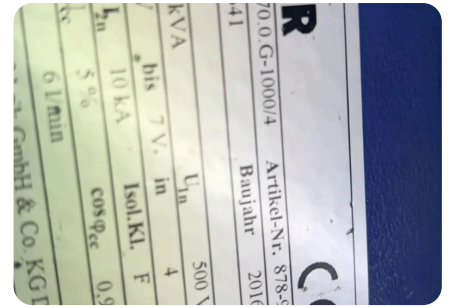
MACHINES DELIVERED

102

COUNTRIES

Specifications

TECHNICAL DATA · BIHLER B 5000

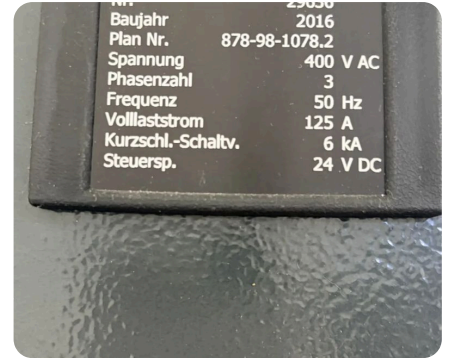
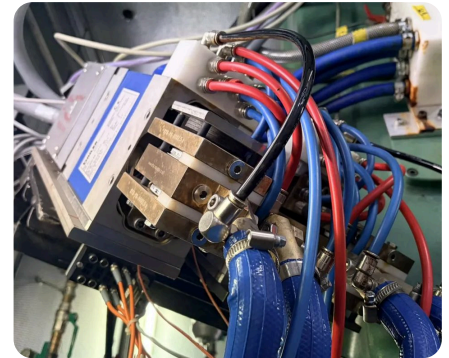


Manufacturer:	Otto Bihler Maschinenfabrik GmbH & Co. KG,
Type:	B 5000
Serial No.:	82641
Year:	2016
Power supply:	400 V, 3-phase, 50 Hz
Control voltage:	24 VDC
Total connected load:	50 kVA (standard); max. fuse 125 A
Inverter frequency:	adjustable 1,000–5,000 Hz in steps
Short-circuit switching capacity:	6 kA
Welding Transformer — Nameplate Data Type:	ET 70.0.G-10000/4
Rated power at 50% duty cycle:	70 kVA
Secondary voltage (U_{20}):	4 V, up to 3 V (U_{2n}), stepped (4 tap positions)
Input voltage:	500 V / 1000 Hz
Secondary current at 50% ED (I_n):	10 kA (rated), $\cos \varphi$: 0.9
Short-circuit voltage (U_k):	5%
Short-circuit current (I_k):	10 kA
Cooling flow:	6 l/min
Insulation class:	F

The machine

DESCRIPTION & PHOTOS

Complete medium-frequency resistance welding system, manufactured 2016, consisting of the B 5000 inverter control cabinet (S/N 29636) paired with the Bihler ET 70 welding transformer (70 kVA, S/N 82641). Both units are year-matched and original to each other. MF 5000 digital welding controller with 14" color display, closed-loop current/power/energy regulation, tool management, production data logging (PDE/MDA), and NC axis interface. Frequency adjustable 1,000–5,000 Hz. Original operating manual included.



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