

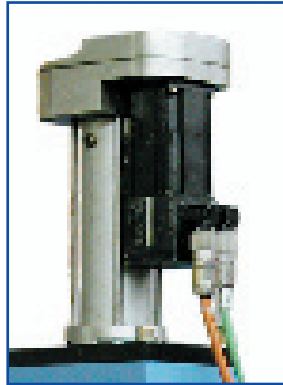


beta214

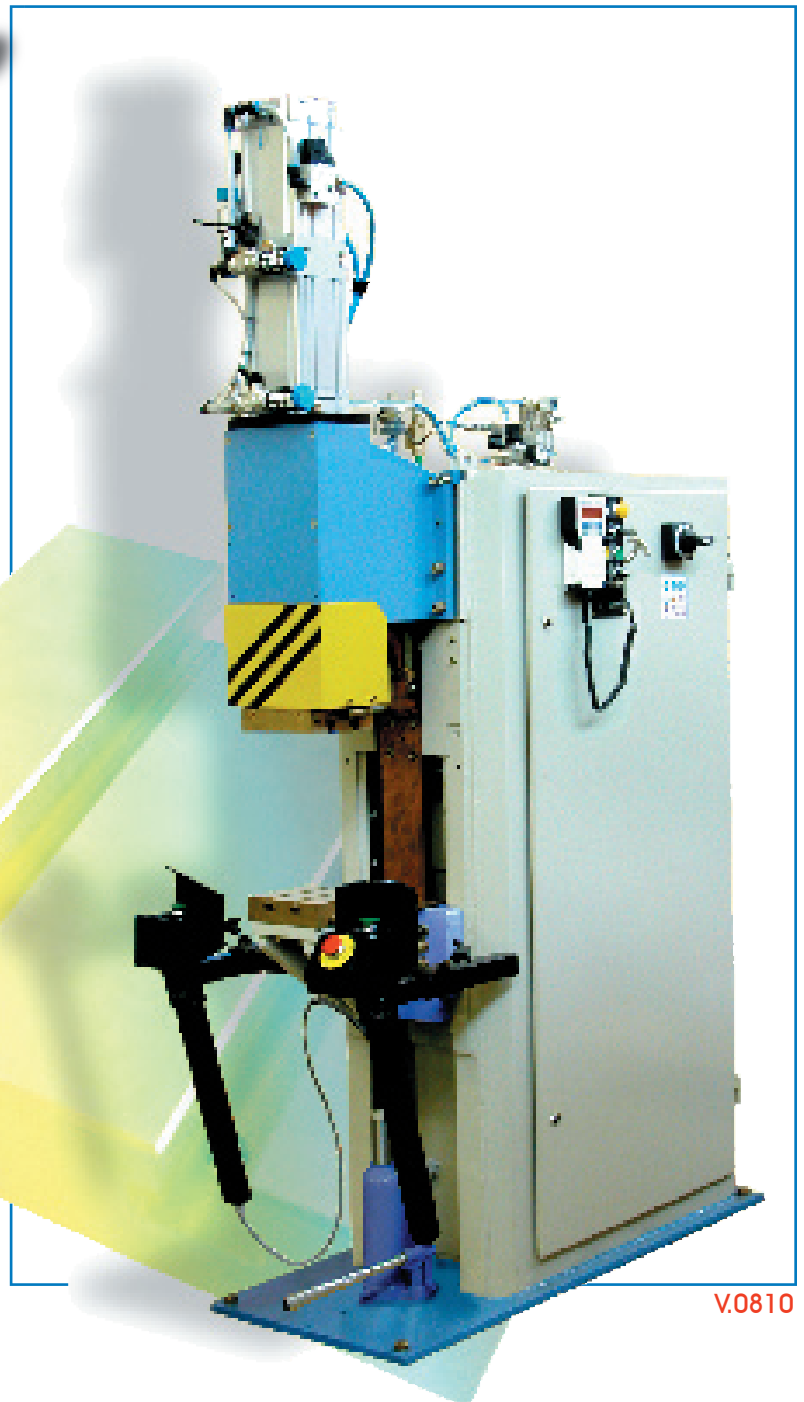
Projection welding

- AC up to 125 kVA
- Medium Frequency for improving quality and consumptions
- Fusion tracking system
- Optional electrical drive

ServoDrive



1000 Hz





Equipment:

- Pneumatic circuit with counterpressure system
- Elastomer for head tracking
- I-O water valves 1/2"
- Air water valve 1/2"
- Two hands start.
- Circuit breaker
- Earth leak protection
- Platform 170x160mm with 2 slots.
63 mm daylight between platforms

Optionals:

- DIN throat depth 300 mm
- Daylight between platforms 550 mm
- Proportional valve
- Flowmeter
- Automation integration set
- Autonomous cooling set

Order Code

Welding type

- A- Spots (Alfa series)
- B- Projection (Beta series)
- C- Microwelding
- D- Seam (Gamma series)

Structure dim.

- 1- 300 daN (Alfa 10)
- 2- 1400 daN (Beta 214)
- 3- 2300 daN (Beta 323)
- 4- 5000 daN (Beta 420)

Force Unit

- 1- 750 daN-Single pressure
- 2- 750 daN-Counterpressure
- 3- 1400 daN-Single pressure
- 4- 1400 daN-Counterpressure
- 0- Servo head

DIN Throat depth

- 1- 250 mm
- 2- 300 mm

B 2 1 2 3

Transformer

- 1- 70 kVA - 50/60Hz
- 2- 100 kVA - 50/60Hz
- 3- 125 kVA - 50/60Hz
- 4- 100 kVA - 1000Hz
- 5- 150 kVA - 1000Hz
- 6- 170 kVA - 1000Hz
- 7- 200 kVA - 1000Hz

ServoDrive

Servocontrolled Electric Drive



- Adjustable and programmable stroke (accuracy: +/- 0,1 mm)
- Thickness detection and welding program automatic selection.
- Machine stop in case of no detection of due thickness: bad bolt or nut placement, sheet absence...
- Head integration in automated applications (7° axis function).
- Seating control during weld time.

AC 50 Hz

MF 1000 Hz

ServoDrive

Technical features

		B2122	B2143	B2124	B2146	B2104	B2106
Main Voltage	V	400 (50 Hz)		3 x 400 (50 Hz)			
Welding frequency	Hz	50	50	1000	1000	1000	1000
Power at 50 % D.C.	kVA	100	125	100	170	100	170
Admissible power	kVA	200	250	160	250	160	250
Delayed fuses	A	200	250	160	250	160	250
Main supply section by phase	mm ²	90	120	70	120	70	120
Secondary voltage	V	7.7 / 9	8.6 / 11	10	10	10	10
Max. short circuit current CC (5 per.)	kA	60	75	26	52	27	54
Max. welding current (in 5 periods)	kA	48	60	26	52	27	54
DIN throat depth	mm	250	250	250	250	250	250
Force (pneumatic cylinder at 6 bar)	daN	750	1400	750	1400	-	-
Force (servodrive head)	daN	-	-	-	-	1500	1500
Distance between platforms (min.-max.)	mm	140-450	140-450	140-450	140-450	140-450	140-450
Working stroke	mm	100	100	100	100	0-100 regulable y programable	
Width	mm	500	500	500	500	500	500
Length	mm	1230	1230	1230	1230	1230	1230
Heigh	mm	1893	2152	1893	2152	1960	1960
Weight	kg	610	640	580	610	590	620
Manoeuvres per minute (in 10 mm)	min ⁻¹	90	90	90	90	150	150
Medium Frequency Inverter	MFC	-	-	MFC-3007	MFC-3015	MFC-3007	MFC-3015



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