



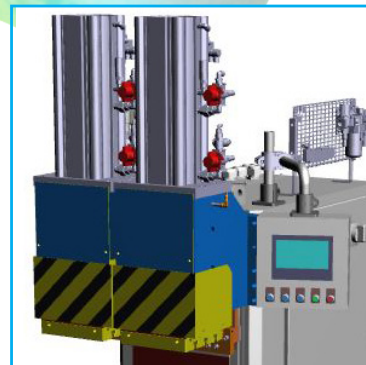
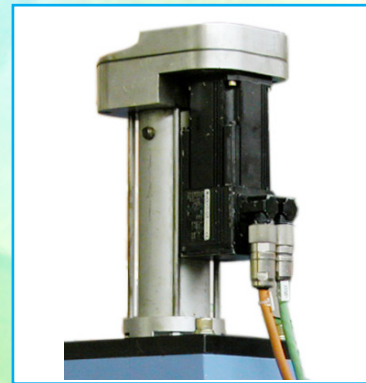
beta 214

750/
1400
daN

125 100
200 170
kVA

Projection welding

- One or two welding heads up to 1.400 daN
- Transformers MF from 100 to 200 kVA
- Transformers AC from 100 to 125 kVA



V.2007

 **SERRA**

beta 214



Optionals

- DIN throat depth 300 mm
- Max. separation between platforms 550 mm
- Brass platforms 4 slots 234 x 234 mm
- Force control by means of load cell
- Proportional valve
- Electronic flowmeter (in AC welders)
- Linear transducer
- Separate water chiller
- Safety pneumatic door 800 mm stroke
- Safety light curtain 30 mm resolution
- Safety light curtain 14 mm resolution

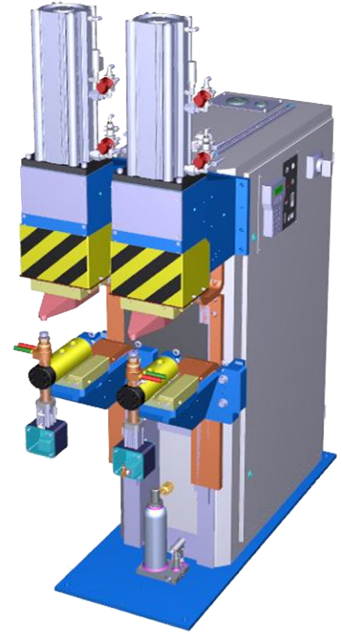
For nut or bolt welding:

- Automatic feeders
- Smart electrode
- Brass arm set of electrodes for nut or bolt welding.



Double head

- Working sequence by pneumatic cascade.
- Available only with throat depth 300 mm



Standard equipment

- Pneumatic circuit with counterpressure system
- Elastomer for head tracking
- I-O water valves 1/2"
- Air water valve 1/2"
- Brass platforms
- Two hands start
- In AC welders:
 - Main switch
- In MF welders:
 - Programming touchscreen UPF-107
 - Circuit breaker
 - Electronic flowmeter for water flow and temperature measurement



Order Code

Beta Series



Force Unit

- 1- 750 daN-Single pressure
- 2- 750 daN-Counterpressure
- 3- 1400 daN-Single pressure
- 4- 1400 daN-Counterpressure
- 5- 2x750 daN-Single pressure
- 6- 2x750 daN-Counterpressure
- 7- 2x1400 daN-Single pressure
- 8- 2x1400 daN-Counterpressure
- 0- Servo electric head

Structure dim.

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

DIN Throat depth

- 1- 250 mm
- 2- 300 mm

Transformer

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

Technical features

Main Voltage	V	400 (50 Hz)
Platform dimensions	mm	170x160
Platform slots	nr	2
Distance between slots	mm	63
Distance between platforms (min.-máx.)	mm	140-400

Beta 214 - MACHINE CODES

		B2122	B2143	B2283	B2124	B2146	B2286	B2104	B2106
Welding frequency	Hz	50	50	50	1000	1000	1000	1000	1000
Power at 50 % D.C.	kVA	100	125	125	100	170	170	100	170
DIN throat depth	mm	250	250	300	250	250	300	250	250
Cylinder force at 6 bar	daN	750	1400	2x1400	750	1400	2x1400	electric	electric
Max. Short Circuit current 5 periods (*)	kA	37	40	36	26	36	36	26	36
Max. welding current in 5 periods (*)	kA	23	25	23	26	36	36	26	36
Air consumption 50mm / 6 bar	NI	4,7	8,4	8,4	4,7	8,4	8,4	-	-
Cooling water consumption	l/h	360	360	360	720	720	720	720	720
Admissible power (**)	kVA	42	60	55	40	60	60	40	60
Delayed fuses (**)	A	110	150	130	100	150	150	100	150
Main supply section by phase (**)	mm ²	50	95	70	50	70	70	50	70
Secondary voltage	V	7,7/9	8,6/11	8,6/11	10	10	10	10	10
Working stroke	mm	100	100	100	100	100	100	0-100 programmable	
Electronic weld controller	Ref.	CSP-1B	CSP-1B	CSP-1B	MFC-3007	MFC-3015	MFC-3015	MFC-3007	MFC-3015
Width	mm	500	500	675	500	500	675	500	500
Length	mm	1230	1230	1270	1230	1230	1270	1230	1230
Height	mm	1893	2152	2152	1893	2152	2152	1960	1960
Weight	kg	610	640	835	580	610	835	590	620

(*) Values for secondary circuit with 200mm separation between platforms and 100mm stroke. (**) Values for max. welding current up to 4% Duty Cycle and line voltage drop < 3% with cable up to 30m.

