



VERTICAL STROKE SPOT AND PROJECTION BENCH WELDERS

BSW bench welders, thanks to their reduced dimensions, are suitable to build customised multispot welding equipment.

BSW 25 is particularly suitable for precision spot welding and, fitted with special accessories, can be used to weld small size parts.

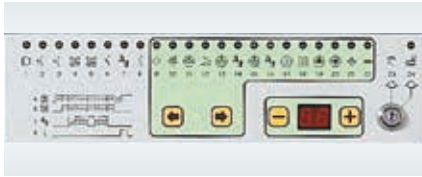
BSW 50 and 100, thanks to their rigid structure, allow high quality projection welding.

- ▶ Upper head low friction driving system for very precise welding
- ▶ Secondary circuit low impedance to grant high welding currents with low consumption
- ▶ BSW 50 and 100, with a platens adjustable in height and fitted with T-slots, enable the quick assembly of barholders, electrodeholders and any dedicated tooling for a specific application



ELECTRONIC CONTROLS

DIGIT 8



- Single or multi spot
- Two 24 V DC solenoid valves
- 50/60 Hz frequency
- Mains voltage compensation
- Weld/no weld switch

WS 708



- 8 programs
- Half period welding time
- Pre-heating current
- Two 24 V DC solenoid valves
- 50/60 Hz frequency
- Mains voltage compensation
- Error message
- Weld/no weld switch
- Single or multi spot

MPS 300 R1



- Constant current facility
- Limit current monitoring
- 8 programs
- Half period welding time
- Spot counter
- Pre-heating current
- Two 24 V DC solenoid valves
- 50/60 Hz frequency
- Mains voltage compensation
- Error message
- Weld/no weld switch
- Single or multi spot

		FUNCTIONS	DIGIT 8	WS 708	MPS 300 R1
	a	Pre-squeeze time	●	●	●
	b	Squeeze time	●	●	●
	c	Pressure contact	●	●	●
	d	Preheating time	---	●	●
	e	Cooling time	---	●	●
	f	Slope up	●	●	●
	g	Welding time Welding current	●	●	●
	h	Pulse interval time	●	●	●
	i	Holding time	●	●	●
	l	Cycle end contact	●	●	●
	m	Pause time	●	●	●

OPTIONALS

- Double pedal for the 2 time 2 current feature on the same workpiece
- Adjustable double stroke cylinder
- Barholder set with bars
- Double pedal for squeeze and welding after workpiece position Checking
- 0,5 bar low pressure solenoid valve for applications requiring same

BSW 25		BSW		25	50	100	
	A	mm		200	400	335	
	B	mm		---	305	370	
	C	MIN.	mm		---	100	140
		MAX.	mm		135	225	290
	D	MIN.	mm		---	140	175
		MAX.	mm		135	265	325
		Ø mm			40	---	---
		Ø mm			18	25	30
		Ø mm			16	16	19
		E mm			---	90	150
F mm				---	130	150	
	G mm			---	45	63	
	T			---	2	2	
BSW 50 - 100							
	A	mm					
	B	mm					
	C	mm					
	D	mm					
	E	mm					
	F	mm					
	G	mm					
	T						

TECHNICAL DATA		BSW		
		25	50	100
Single phase input 50/60 Hz	V	400	400	400
Rated power at 50%	kVA	25	50	100
Short circuit power	kVA	65	160	414
Max. welding power	kVA	52	128	331
Installed power	kVA	14	38	78
Cross section connecting cables	mm ²	16	25	50
Delayed Fuse	A	40	100	200
Open Circuit Voltage	V	3,7	5,5	9,4
Short circuit current	kA	18	29	45
Max. welding current	kA	14,4	23,2	36
Thermal secondary current at 100%	kA	4,8	6,4	7,5
Work stroke	mm	50	75	100
Electrode force max 600 kPa (6 bar)	daN	187	470	900
Water consumption a 300 kPa (3 bar)	l/min	4	7	7
Dimensions	↗ mm	800	900	1080
	→ mm	300	300	325
	↑ mm	590	770	1015
Weight	kg	96	210	380

