

# Portable Spot Gun Welding System

Carpoint  
(Automotive)

and

EUROPEI  
(Industrial)

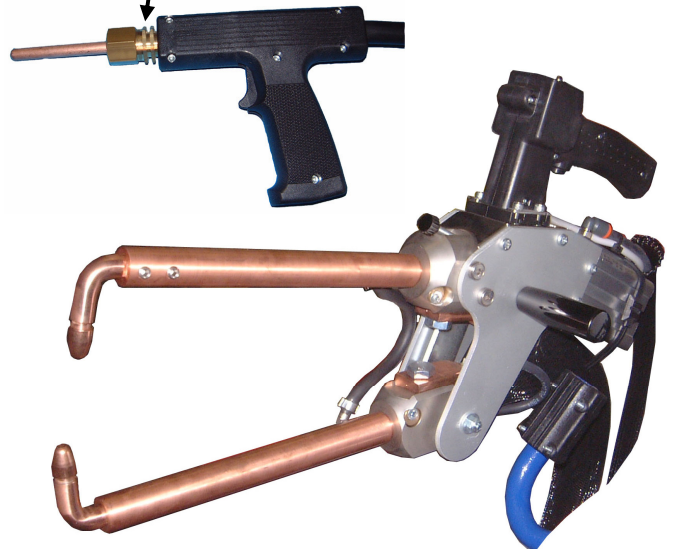


## POWER SOURCE

- ❖ Powerful transformer mounted on wheeled trolley with built-in watercooler.
- ❖ PX1600 digital programmable control with pulse (see reverse for details)
- ❖ Isolation switch on front panel

## GUN

- ❖ Air operated and water cooled
- ❖ Range of water cooled arms and electrodes available (see reverse)
- ❖ On handle switch for 'squeeze only' and 'weld'
- ❖ Studder/Poke gun and cables available for welding body nails, washers, studs etc. and for one sided spot welding

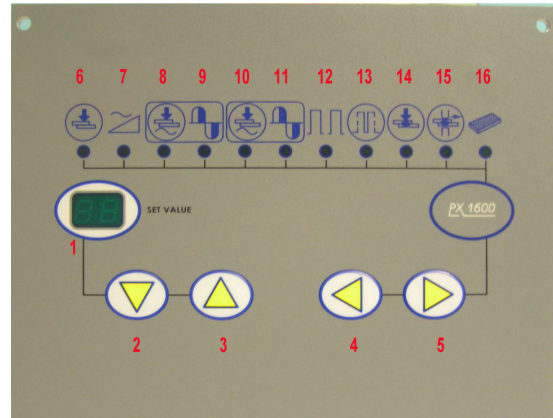


**Water-cooled 2 metre cables from power source to gun for optimum transmission of welding power**

**Carpoint -  
1mm+1mm mild steel - 40 spots/min**

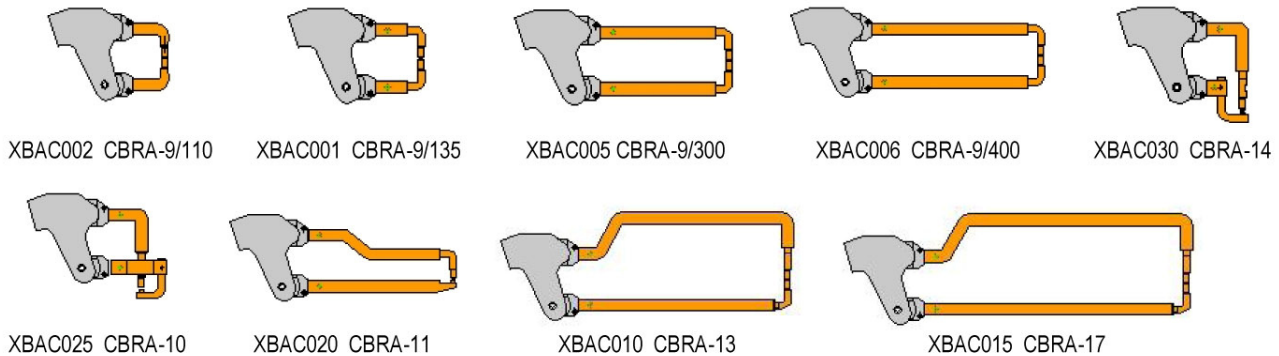
**Europei -  
Water cooled main transformer.  
1mm+1mm mild steel - 100 spots/min**

SPECIFICATIONS		CARPOINT	EUROPEI	
Nominal power 50% duty cycle	kVA	11	18	
Short circuit secondary	kA	7.5	8.5	
Max. secondary welding	kA	6.0	6.8	
Duty cycle at max welding	%	2.8	5.1	
Permanent secondary current	kA	1.0	1.65	
Secondary voltage	V	7.7	8.2	
Nominal power supply 1 phase	V	400	400	
Delayed fuses	A	20	32	
Dimensions	mm	650 x 850 x 1230		
Weight	kg	80	85	
Pneumatic gun	Max welding capacity	mm	2+2	
	Electrode force	daN	125	
	Air consumption	cfm	4	
	Throat gap	mm	95	
	Arm length	mm	135-400	
	Electrode diameter	mm	12 (metric taper)	
	Electrode stroke	mm	0 - 45	0 - 45
	Cable length	mm	2000	2000
	Gun weight without cable	kg	3	3
	Studder	Welding capacity	mm	1 + 1
Pistol cable length		mm	1500	
Ground cable length		mm	1500	
Spot electrode diameter		mm	10	



- Displays chosen parameter value or program number
- Adjusts value down
- Adjusts value up
- Selects parameter for adjustment or display. (moves to left)
- Selects parameter for adjustment or display. (moves to right)
- Pre weld squeeze time 0-99 cycles
- Slope up of weld power 0-20 cycles
- Weld time (set 1) 0-99 cycles
- Weld power (set 1) 1-99% of transformer output
- Weld time (set 2)
- Weld power (set 2)
- Number of pulses 1-20 (>2 weld time is 20 cycles max)
- Time off between pulses 0-99 cycles
- Post weld forge time 0-99 cycles
- If set 2 or higher gives repeat weld 0-99 cycles (time between cycle)
- Energy compensation – for use on dirty or oxidised sheets

**WATER COOLED ARMS**  
Use standard 16 mm CAP ELECTRODES



**ARM LENGTH**

CBRA-9/110	110mm
CBRA-9/135	135mm
CBRA-9/300	300mm
CBRA-9/400	400mm
CBRA-14	400mm
CBRA-10	100mm
CBRA-11	350mm
CBRA-13	400mm
CBRA-17	500mm

**STUDDER KIT**

	1. Head for nails Ø2,5	pc	1
	2. Head for washer Ø 8x16	pc	1
	3. Head for special washer (spot and pull)	pc	1
	4. Electrode Ø 10 cu-cr for spot weld	pc	1
	5. Electrode Ø 16 cu-cr for patching	pc	1
	6. Electrode Ø 16 for washer Ø 8x16	pc	1
	7. Electrode Ø 16 for thread rivets M4 - Nails Ø 2/2,5	pc	1
	8. Electrode Ø 16 for thread rivets M5/M6	pc	1
	9. Electrode Ø 16 for trim rivets Ø 3 and Ø 5	pc	1
	10. Electrode Ø 16 for squashing	pc	1
	11. Nails Ø 2x50	pcs	100
	12. Nails Ø 2,5x50	pcs	100
	13. Trim rivets Ø 3x3,2	pcs	50
	14. Trim rivets Ø 3x4,5	pcs	100
	15. Trim rivets Ø 5x8,2	pcs	100
	16. Thread rivets M4x16	pcs	100
	17. Thread rivets M5x18	pcs	50
	18. Self-thread rivets Ø 5x12	pcs	50
	19. Self-thread rivets Ø 5x18	pcs	50
	20. Self-thread rivets Ø 5x25	pcs	50
	21. Washer Ø 8x16	pcs	50
	22. Special washers	pcs	20
	23. Electrode carbon Ø 10x300	pc	1
	24. Wrench 27 for slide hammer	pc	1