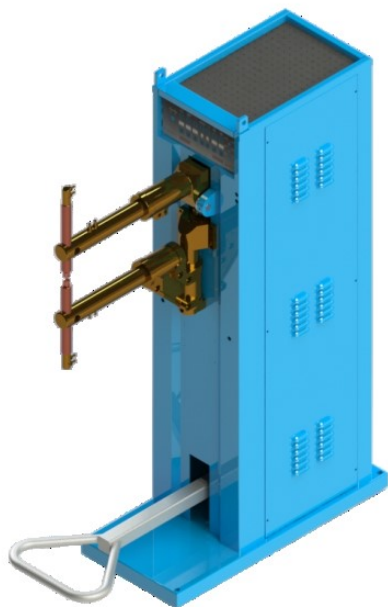


Pedestal  
welders  
SM/SP/SPF-C  
SD/SDP



# SM / SP / SPF-C series



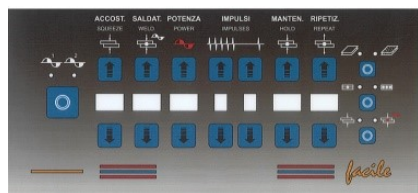
## SM SERIES PEDAL-OPERATED COLUMN MACHINE

SM series pedal-operated column punching machine with a power rating of 15KVA at 50% Column-mounted SM series swing-arm punching machine with foot control, rated at 15KVA at 50%. Sturdy structure. Water cooled and vacuum impregnated transformer. Adjustable arm position both in length and height (gauge). Adjustable electrode pressure.



## SP SERIE WITH ELECTRO-PNEUMATIC CONTROL

SP series pedestal spot welder with electro-pneumatic control and 15 KVA power at 50%. SP series pedal operated rocker arm pedestal spot welder with electro-pneumatic control and 15 KVA power at 50%. Sturdy structure. Water cooled and vacuum impregnated transformer. Adjustable arm position both in length and height (gauge). Adjustable electrode pressure



## "FACILE" WELDING CONTROL

The "FACILE" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with the double programme and pulses.

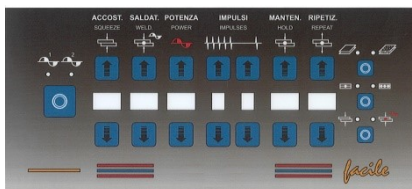
TECHNICAL FEATURES	SM15 - SP15	SM20 - SP20	SM30 - SP30
Nominal power at 50% ED	15 KVA	20 KVA	30 KVA
Max short-circuit power	40 KVA	68 KVA	86 KVA
Maximum welding power	32 KVA	54 KVA	69 KVA
Nominal primary voltage	400-230 V	400-230 V	400-230 V
Nominal frequency	50 Hz	50 Hz	50 Hz
Secondary voltage	4,5 V	5,0 V	5,6 V
Permanent secondary current	3,6 V	4,0 KA	4,8 KA
Short-circuit current	14,3 KA	15,5 KA	17,3 KA
Max welding secondary current	8,4 KA	11,2 KA	12,5 KA
Duty cycle maximum welding current	11 %	9 %	9,5 %
Connection power	19,2 KVA	32 KVA	41 KVA
Power supply cable section (≤ 40 int. line)	10 mm <sup>2</sup>	10 mm <sup>2</sup>	10 mm <sup>2</sup>
Pressure at the electrodes at 6 atm.	240 daN	240 daN	240 daN
Max welding capacity on "S" mild steel	3 + 3 mm	3,5 + 3,5 mm	4,5 + 4,5 mm
Max welding capacity on cross wires	10 + 10 mm	12 + 12 mm	14 + 14 mm
Operation	electropneumatic		
Cooling	water		
Distance between plates	150-300 mm		
Arm lenght	400-1000 mm		
Arm diameter	45 mm		
Lenght and diameter plugs	150-200 ø 25 mm		
Electrodes opening	25-50 mm		
Air consumption(mc / 1000 punti)	1,5		
Water consumption	3 l/min		
Compressed air pressure (1 bar = 100 Kpa)	600 Kpa		
Dimension B x L x H	100 x 300 x 1350 mm		
Weight	190 Kg	210 Kg	230 Kg



## SPF-C SERIES WITH ELECTRO-PNEUMATIC CONTROL AND INTEGRATED COOLER

SP series pedestal spot welder with electro-pneumatic control and 15KVA power at 50% and incorporated cooler.

SP series pedal operated rocker arm pedestal spot welder with electro-pneumatic control and 15 KVA power at 50%. Sturdy structure. Water cooled and vacuum impregnated transformer. Adjustable arm position both in length and height (gauge). Adjustable electrode pressure. Cooling circuit cooler integrated.



## "FACILE" WELDING CONTROL

The "FACILE" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with the double programme and pulses.

TECHNICAL FEATURES	SPF-C15	SPF-C20	SPF-C30
Nominal power at 50% ED	15 KVA	20 KVA	30 KVA
Max short-circuit power	40 KVA	68 KVA	86 KVA
Maximum welding power	32 KVA	54 KVA	69 KVA
Nominal primary voltage	400-230 V	400-230 V	400-230 V
Nominal frequency	50 Hz	50 Hz	50 Hz
Secondary voltage	4,5 V	5,0 V	5,6 V
Permanent secondary current	3,6 V	4,0 KA	4,8 KA
Short-circuit current	14,3 KA	15,5 KA	17,3 KA
Max welding secondary current	8,4 KA	11,2 KA	12,5 KA
Duty cycle maximum welding current	11 %	9 %	9,5 %
Connection power	19,2 KVA	32 KVA	41 KVA
Power supply cable section ( $\leq 40$ int. line)	10 mm <sup>2</sup>	10 mm <sup>2</sup>	10 mm <sup>2</sup>
Pressure at the electrodes at 6 atm.	240 daN	240 daN	240 daN
Max welding capacity on "S" mild steel	3 + 3 mm	3,5 + 3,5 mm	4,5 + 4,5 mm
Max welding capacity on cross wires	10 + 10 mm	12 + 12 mm	14 + 14 mm
Operation	electropneumatic		
Cooling	water		
Distance between plates	150-300 mm		
Arm lenght	400-1000 mm		
Arm diameter	45 mm		
Lenght and diameter plugs	150-200 $\varnothing$ 25 mm		
Electrodes opening	25-50 mm		
Air consumption(mc / 1000 punti)	1,5		
Water consumption	3 l/min		
Compressed air pressure (1 bar = 100 Kpa)	600 Kpa		
Dimension B x L x H	100 x 300 x 1350 mm		
Weight	190 Kg	210 Kg	230 Kg





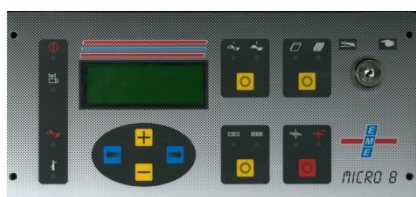
SD30 series pedestal linear spot welders with 30KVA power at 50%

Very sturdy and rigid structure. Integrated water-cooling installation of transformer, electrode holder and electrodes. The standard versions are equipped with a single stroke pneumatic cylinder and double safety control board. Pedal operated. Wide selection of electrode holders and electrodes for different special applications.



SD50 series pedestal linear spot welders with 50KVA power at 50%

Very sturdy and rigid structure. Integrated water-cooling installation of transformer, electrode holder and electrodes. The standard versions are equipped with a single stroke pneumatic cylinder and double safety control board. Pedal operated. Wide selection of electrode holders and electrodes for different special applications.



## "MICRO8" WELDING CONTROL

The "MICRO8" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with the double programme and pulses.



# SD30 / SD50 series

TECHNICAL FEATURES	SD30	SD50
Nominal power at 50% ED	30 KVA	50 KVA
Max short-circuit power	85 KVA	105 KVA
Maximum welding power	68 KVA	91 KVA
Nominal primary voltage	400-230 V	
Nominal frequency	50 Hz	
Secondary voltage	5,2 V	5,8 V
Permanent secondary current	4,8 KA	6,0 KA
Short-circuit current	16 KA	20 KA
Max welding secondary current	12,5 KA	14,5 KA
Duty cycle at maximum welding current	10 %	10 %
Connection power	40 KVA	50 KVA
Power supply cable section ( $\leq 40$ int. line)	16 mm <sup>2</sup>	16 mm <sup>2</sup>
Pressure at the electrode at 6 atm.	230 daN	310 daN
Max welding capacity on "S" mild steel	4,5 + 4,5 mm	4,5 + 4,5 mm
Max welding capacity on cross wires	-	4 mm
Operation	Electropneumatic	
Cooling	Water	
Distance between plates	170-370 mm	
Arm lenght	400-750 mm	
Arm diameter	50 mm	60 mm
Lenght and diameter of spark plugs	200 $\varnothing$ 25 mm	
Electrode opening	60 mm	
Air consumption (mc / 1000 point)	1,1	2,1
Water consumption	4 l/min	4 l/min
Compressed air pressure(1 bar = 100 Kpa)	600 Kpa	
Dimension B x L x H	1030x415x1430 mm	1200x425x1250 mm
Weight	240 Kg	570 Kg



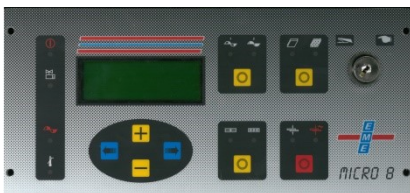
SD60 series pedestal linear spot welders with 60KVA power at 50%

Very sturdy and rigid structure. Integrated water-cooling installation of transformer, electrode holder and electrodes. The standard versions are equipped with a single stroke pneumatic cylinder and double safety control board. Pedal operated. Wide selection of electrode holders and electrodes for different special applications.



SD120 series pedestal linear spot welders with 120KVA power at 50%

Very sturdy and rigid structure. Integrated water-cooling installation of transformer, electrode holder and electrodes. The standard versions are equipped with a single stroke pneumatic cylinder and double safety control board. Pedal operated. Wide selection of electrode holders and electrodes for different special applications.



## "MICRO8" WELDING CONTROL

The "MICRO8" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with the double programme and pulses.

# SD60 / SD120 series

TECHNICAL FEATURES	SD60	SD120
Nominal power at 50% ED	60 KVA	120 KVA
Max short-circuit power	140 KVA	285 KVA
Maximum welding power	112 KVA	228 KVA
Nominal primary voltage	400-230 V	
Nominal frequency	50 Hz	
Secondary voltage	5,5÷6,5 V	6,8÷8,6 V
Permanent secondary current	6,5 KA	10 KA
Short-circuit current	21 KA	33 KA
Max welding secondary current	6,8 KA	26,4 KA
Duty cycle at maximum welding current	14,3 %	13,8 %
Connection power	67 KVA	136 KVA
Power supply cable section (≤ 40 int. line)	16 mm <sup>2</sup>	70 mm <sup>2</sup>
Pressure at the electrode at 6 atm.	900 daN	900 daN
Operation	Electropneumatic	
Cooling	Water	
Distance between plates	160-370 mm	
Arm lenght	400-750 mm	
Arm diameter	70 mm	70 mm
Lenght and diameter of spark plugs	150÷200 ø 25 mm	
Electrode opening	80 mm	
Air consumption (mc / 1000 point)	4,6	9,2
Water consumption	4 l/min	5 l/min
Compressed air pressure(1 bar = 100 Kpa)	600 Kpa	
Dimension B x L x H	1300x400x1800 mm	1300x400x1800 mm
Weight	620 Kg	720 Kg



## COLUMN POINTER SDP30

SDP30 series projection pedestal linear spot welder with 30 KVA power at 50%

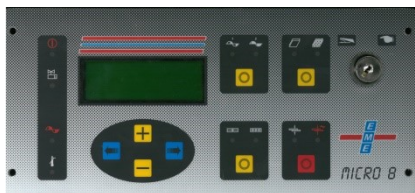
Very sturdy and rigid structure. Integrated water-cooling installation of transformer, electrode holder and electrodes. The standard versions are equipped with a single stroke pneumatic cylinder and double safety control board. Pedal operated. Wide selection of electrode holders and electrodes for different special applications.



## COLUMN POINTER SDP50

SDP50 series projection pedestal linear spot welder with 50 KVA power at 50%

Very sturdy and rigid structure. Integrated water-cooling installation of transformer, electrode holder and electrodes. The standard versions are equipped with a single stroke pneumatic cylinder and double safety control board. Pedal operated. Wide selection of electrode holders and electrodes for different special applications.



## "MICRO8" WELDING CONTROL

The "MICRO8" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with the double programme and pulses.

# SDP30 / SDP50 series

TECHNICAL FEATURES	SDP30	SDP50
Nominal power at 50% ED	30 KVA	50 KVA
Max short-circuit power	85 KVA	105 KVA
Maximum welding power	68 KVA	91 KVA
Nominal primary voltage	400-230 V	
Nominal frequency	50 Hz	
Secondary voltage	5,2 V	5,8 V
Permanent secondary current	4,8 KA	6,0 KA
Short-circuit current	16 KA	20 KA
Max welding secondary current	12,5 KA	14,5 KA
Duty cycle at maximum welding current	10 %	10 %
Connection power	40 KVA	50 KVA
Power supply cable section (≤ 40 int. line)	16 mm <sup>2</sup>	25 mm <sup>2</sup>
Pressure at the electrode at 6 atm.	230 daN	310 daN
Max welding capacity on "S" mild steel	4,5 + 4,5 mm	4,5 + 4,5 mm
Max welding capacity on cross wires	-	4 mm
Operation	Electropneumatic	
Cooling	Water	
Distance between plates	210 mm	
Useful depth	500÷800 mm	510÷810 MM
Lenght and diameter of spark plugs	200 ø 25 mm	
Air consumption (mc / 1000 point)	1,1	2,1
Water consumption	4 l/min	4 l/min
Compressed air pressure(1 bar = 100 Kpa)	600 Kpa	
Dimension B x L x H	1100x300x1430 mm	1300x400x1600 mm
Weight	250 Kg	580 Kg

# SDP60 / SDP120 / SDP180 series



## COLUMN POINTER SDP60

SDP60 series projection pedestal linear spot welder with 60 KVA power at 50%

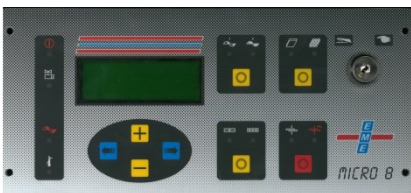
Very sturdy and rigid structure. Integrated water-cooling installation of transformer, electrode holder and electrodes. The standard versions are equipped with a single stroke pneumatic cylinder and double safety control board. Pedal operated. Wide selection of electrode holders and electrodes for different special applications.



## COLUMN POINTER SDP80/SDP120

SDP80/sdp120 series projection pedestal linear spot welder with 80/120 KVA power at 50%

Very sturdy and rigid structure. Integrated water-cooling installation of transformer, electrode holder and electrodes. The standard versions are equipped with a single stroke pneumatic cylinder and double safety control board. Pedal operated. Wide selection of electrode holders and electrodes for different special applications.



## "MICRO8" WELDING CONTROL

The "MICRO8" weld synchronous control board with a diode microprocessor controlled in 5 steps is equipped with the double programme and pulses.

# SDP60 / SDP120 / SDP180 series

CARATTERISTICHE TECNICHE	SDP60	SDP120	SDP180
Nominal power at 50% ED	60 KVA	120 KVA	180 KVA
Max short-circuit power	140 KVA	285 KVA	540 KVA
Maximum welding power	112 KVA	228 KVA	432 KVA
Nominal primary voltage	400-230 V	400-230 V	400-230 V
Nominal frequency	50 Hz	50 Hz	50 Hz
Secondary voltage	5,6÷6,5 V	6,8÷8,6 V	7,9÷11,2 V
Permanent secondary current	6,5 KA	10 KA	13 KA
Short-circuit current	21 KA	33 KA	48 KA
Max welding secondary current	16,8 KA	26,4 KA	38,4 KA
Duty cycle at maximum welding current	14,3 %	13,8 %	10,7 %
Connection power	67 KVA	136 KVA	260 KVA
Power supply cable section(≤ 40 int. line)	16 mm <sup>2</sup>	70 mm <sup>2</sup>	90 mm <sup>2</sup>
Pressure at the electrodes at 6 atm.	900 daN	900 daN	2000 daN
Operation	Electropneumatic		
Cooling	Water		
Distance between plates	130÷370 mm		
Useful depth	460÷760 mm		
Lenght and diameter spark plugs	150-200 ø 25 mm		
Electrode opening	80 mm		
Air consumption (mc / 1000 point)	4,6	9,2	12,5
Water consumption	4 l/min	5 l/min	5 l/min
Dimension B x L x H (mm)	1300x400x1800	1300x400x1800	1500x670x1925
Weight	750 Kg	860 Kg	915 Kg