

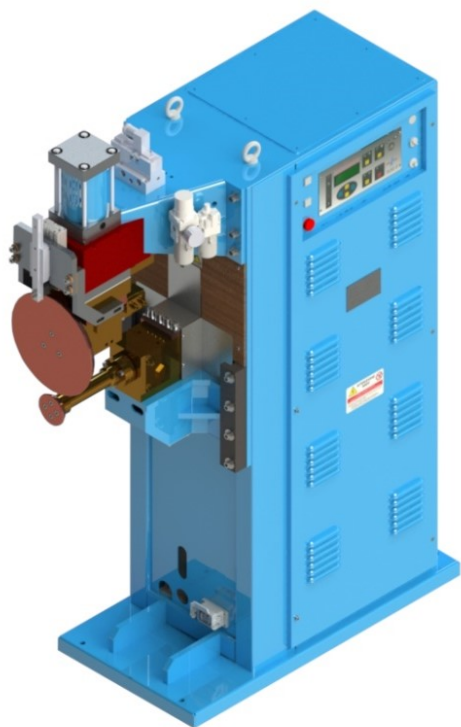
# Roller welders T / T.I. / L. series

**E**  
**M**  
**E**

CE

# Roller welders T series

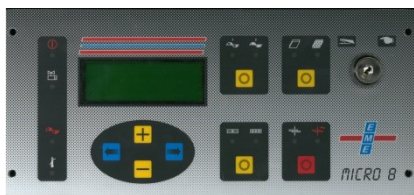
# Roller welders T series mod. SDPR T50



## SERIES T MODEL ROLLER WELDER SDPR T50

Series T model roller welder SDPR T50 with 50KVA power at 50%.

The SDPR T50 roller welder is made of machined electro-welded sheet and structural steel which underwent severe normalization treatments so that high precision, excellent rigidity and resistance to stress can be ensured. Roller holding heads with rolling bearings, friction contacts machined which ensure a proper electric contact for the welding current, cooled by cooling liquid circulation. The heads are moved by a three-phase asynchronous motor activated by an inverter to precisely regulate welding speed and movement. Water cooled and vacuum impregnated transformer to ensure sport-welding continuity. Multi-turn potentiometer for regulating the roller rotation speed with the possibility of reversing the direction.



## "MICRO8 RULLI" WELDING CONTROL

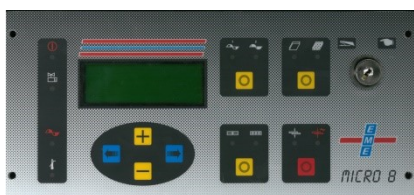
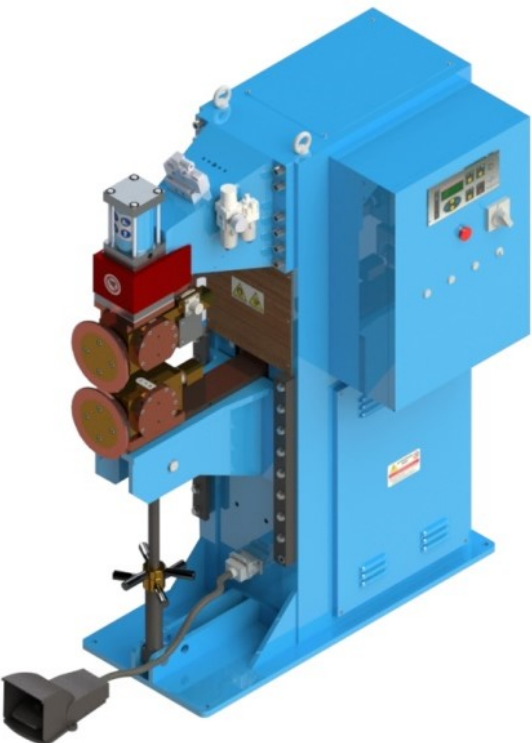
Welding control mod. Micro8 Rulli, synchronous control board with a microprocessor in 5 steps. Provides timing, synchronous with the network frequency, of the various stages of the cycle (docking, welding, cold time and maintenance), and the adjustment of the welding current by partialization with continuous or impulsive selection of the spot. It offers the dual program as standard.

# Roller welders T series mod. SDPR T60

## SERIES T MODEL ROLLER WELDER SDPR T60

Series T model roller welder SDPR T60 with 60KVA power at 50%.

The SDPR T60 roller welder is made of machined electro-welded sheet and structural steel which underwent severe normalization treatments so that high precision, excellent rigidity and resistance to stress can be ensured. Roller holding heads with rolling bearings, friction contacts machined which ensure a proper electric contact for the welding current, cooled by cooling liquid circulation. The heads are moved by a three-phase asynchronous motor activated by an inverter to precisely regulate welding speed and movement. Water cooled and vacuum impregnated transformer to ensure sport-welding continuity. Multi-turn potentiometer for regulating the roller rotation speed with the possibility of reversing the direction.



## "MICRO8 RULLI" WELDING CONTROL

Welding control mod. Micro8 Rulli, synchronous control board with a microprocessor in 5 steps. Provides timing, synchronous with the network frequency, of the various stages of the cycle (docking, welding, cold time and maintenance), and the adjustment of the welding current by partialization with continuous or impulsive selection of the spot. It offers the dual program as standard.

# Roller welders T series

## mod. SDPR T50 - SDPR T60

TECHNICAL FEATURES	SDPR T50	SDPR T60
Nominal power at 50% ED	50 KVA	60 KVA
Max short-circuit power	62 KVA	72 KVA
Nominal primary voltage	400 – 230 V	400 – 230 V
Nominal frequency	50 Hz	50 Hz
Secondary voltage	4,3 V	4,3 V
Permanent secondary current	12 KA	12 KA
Short-circuit current	16 KA	16 KA
Max welding secondary current	12 KA	12 KA
Connection power	67 KVA	67 KVA
Power supply cable electrodes (≤ 40 int. line)	35 mm <sup>2</sup>	35 mm <sup>2</sup>
Pressure at the electrodes at 6 atm.	450 daN	450 daN
Max welding capacity on "S" mild steel	1+1 mm	1,2+1,2 mm
Movement (*)	1	1/2/3
Welding speed	1÷500 m/s	1÷500 m/s
Operation	Pneumatic	
Cooling	Water	
Depth (**)	S	S/M
Arm diameter	50 mm	-
Upper roller diameter	60÷200 mm	200÷300 mm
Lower roller diameter	60÷200 mm	200÷300 mm
Roller stroke	80 mm	80 mm
Air consumption (mc / 1000 point)	4,6	4,6
Water consumption	4 l/min	4 l/min
Compressed air pressure (1 bar = 100 Kpa)	600 KPa	600 Kpa
Dimensions L x W x H of "S" version (**)	1100x440x1570 mm	1260x790x1590 mm
Dimensions L x W x H of "M" version (**)	-	1800x790 x1590 mm
Weight of "S" version (**)	860 Kg	960 Kg
Weight of "M" version (**)	-	1120 Kg
(*) Movement	1 Upper head - 2 Lower head - 3 Upper/Lower head with differential mechanical device	
(**) Depth	"S" L= 450 mm - "M" L= 1100 mm	

# Roller welders T series

## mod. SDPR T80 - SDPR T120

### SERIES T MODEL ROLLER WELDER SDPR T80 SERIES T MODEL ROLLER WELDER SDPR T120

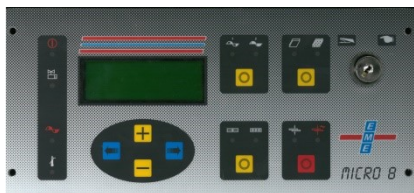
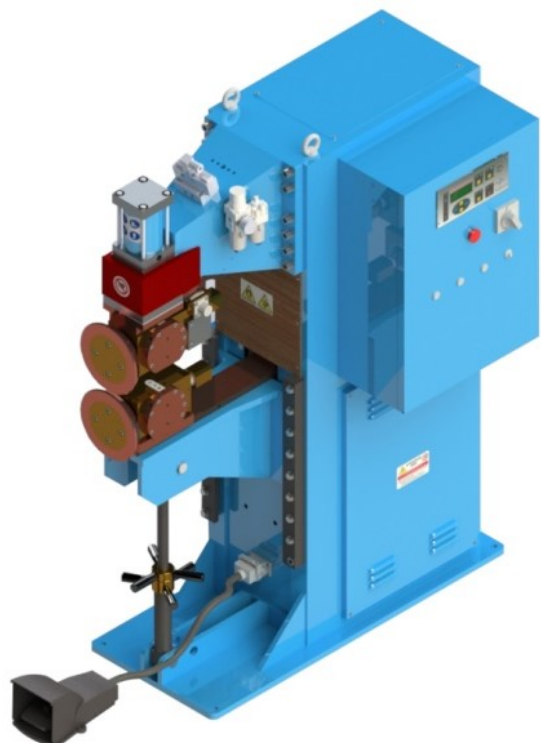
Series T model roller welder SDPR T80 with 80KVA power at 50%.

Series T model roller welder SDPR T120 with 120KVA power at 50%.

The SDPR T roller welder is made of machined electro-welded sheet and structural steel which underwent severe normalization treatments so that high precision, excellent rigidity and resistance to stress can be ensured. Roller holding heads with rolling bearings, friction contacts machined which ensure a proper electric contact for the welding current, cooled by cooling liquid circulation. The heads are moved by a three-phase asynchronous motor activated by an inverter to precisely regulate welding speed and movement. Water cooled and vacuum impregnated transformer to ensure sport-welding continuity. Multi-turn potentiometer for regulating the roller rotation speed with the possibility of reversing the direction.

### "MICRO8 RULLI" WELDING CONTROL

Welding control mod. Micro8 Rulli, synchronous control board with a microprocessor in 5 steps. Provides timing, synchronous with the network frequency, of the various stages of the cycle (docking, welding, cold time and maintenance), and the adjustment of the welding current by partialization with continuous or impulsive selection of the spot. It offers the dual program as standard.





# Roller welders T series

## mod. SDPR T80 - SDPR T120

TECHNICAL FEATURES	SDPR T80	SDPR T120
Nominal power at 50% ED	80 KVA	120 KVA
Max short-circuit power	96 KVA	144 KVA
Nominal primary voltage	400 – 230 V	400 – 230 V
Nominal frequency	50 Hz	50 Hz
Secondary voltage	4,3 V	5,27 V
Permanent secondary current	14 KA	16 KA
Short-circuit current	21 KA	28 KA
Max welding secondary current	14 KA	16 KA
Connection power	96 KVA	67 KVA
Power supply cable electrodes (≤ 40 int. line)	50 mm <sup>2</sup>	75 mm <sup>2</sup>
Pressure at the electrodes at 6 atm.	450 daN	900 daN
Max welding capacity on "S" mild steel	1,5+1,5 mm	2+2 mm
Movement (*)	1/2/3	1/2/3
Welding speed	1÷500 m/s	1÷500 m/s
Operation	Pneumatic	
Cooling	Water	
Depth (**)	S/M	S/M
Arm diameter	-	-
Upper roller diameter	200÷300 mm	200÷300 mm
Lower roller diameter	200÷300 mm	200÷300 mm
Roller stroke	80 mm	80 mm
Air consumption (mc / 1000 point)	4,6	4,6
Water consumption	4 l/min	4 l/min
Compressed air pressure (1 bar = 100 Kpa)	600 Kpa	600 Kpa
Dimensions L x W x H of "S" version (**)	1260x7900x1590 mm	1260x790x1735 mm
Dimensions L x W x H of "M" version (**)	1800x790x1590 mm	1800x790 x1735 mm
Weight of "S" version (**)	1010 Kg	1030 Kg
Weight of "M" version (**)	1170 Kg	1190 Kg

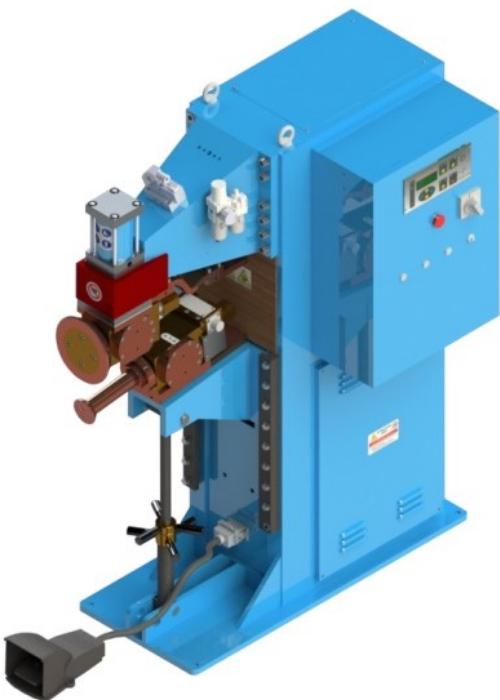
(\*) Movement      1 Upper head      -      2 Lower head      -      3 Upper/Lower head with differential mechanical device

(\*\*) Depth      "S" L= 450 mm      -      "M" L= 1100 mm

# Roller welders T.I. series

## mod. SDPR TI60 - SDPR TI80

## SDPR TI120



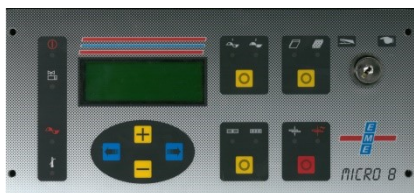
SERIES T MODEL ROLLER WELDER SDPR TI60  
 SERIES T MODEL ROLLER WELDER SDPR TI80  
 SERIES T MODEL ROLLER WELDER SDPR TI120

Series T.I. model roller welder SDPR TI60 with 60KVA power at 50%.

Series T.I. model roller welder SDPR TI80 with 80KVA power at 50%.

Series T.I. model roller welder SDPR TI80 with 80KVA power at 50%.

The SDPR T.I. roller welder is made of machined electro-welded sheet and structural steel which underwent severe normalization treatments so that high precision, excellent rigidity and resistance to stress can be ensured. Roller holding heads with rolling bearings, friction contacts machined which ensure a proper electric contact for the welding current, cooled by cooling liquid circulation. The heads are moved by a three-phase asynchronous motor activated by an inverter to precisely regulate welding speed and movement. Water cooled and vacuum impregnated transformer to ensure sport-welding continuity. Multi-turn potentiometer for the adjustment of the roller rotation speed with the possibility of reversing.



### "MICRO8 RULLI" WELDING CONTROL

Welding control mod. Micro8 Rulli, synchronous control board with a microprocessor in 5 steps. Provides timing, synchronous with the network frequency, of the various stages of the cycle (docking, welding, cold time and maintenance), and the adjustment of the welding current by partialization with continuous or impulsive selection of the spot. It offers the dual program as standard.



# Roller welders T.I. series

## mod. SDPR TI60 - SDPR TI80

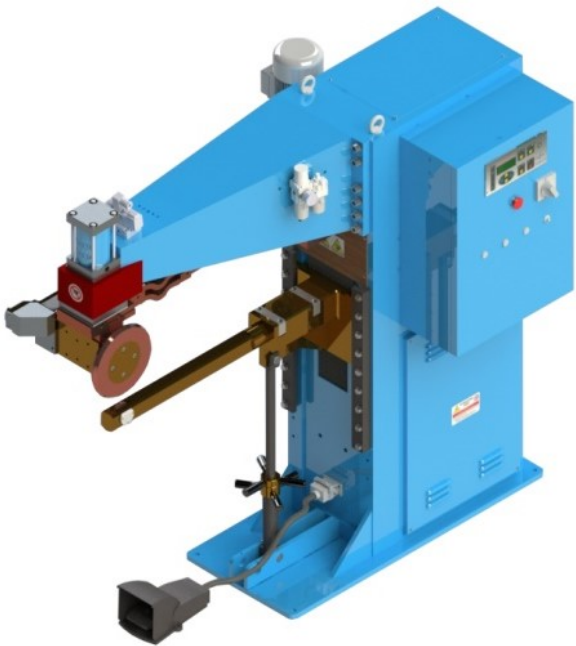
### SDPR TI120

TECHNICAL FEATURES	SDPR TI60	SDPR TI80	SDPR TI120		
Nominal power at 50% ED	60 KVA	80 KVA	120 KVA		
Max short-circuit power	72 KVA	96 KVA	144 KVA		
Nominal primary voltage	400 V	400 V	400 V		
Nominal frequency	50 Hz	50 Hz	50 Hz		
Secondary voltage	4,3 V	5,27 V	7,62 V		
Permanent secondary current	12 KA	14 KA	16 KA		
Short-circuit current	16 KA	21 KA	28 KA		
Max welding secondary current	12 KA	14 KA	16 KA		
Connection power	67 KVA	96 KVA	136 KVA		
Power supply cable section ( $\leq 40$ int. line)	35 mm <sup>2</sup>	50 mm <sup>2</sup>	75 mm <sup>2</sup>		
Pressure at the electrodes at 6 atm.	450 daN	450 daN	900 daN		
Max welding capacity on "S" mild steel	1,2 + 1,2 mm	1,5 + 1,5 mm	2 + 2 mm		
Movement (*)	2	2	2		
Welding speed	1÷500 mm/s	1÷500 mm/s	1÷500 mm/s		
Operation	Pneumatic				
Cooling	Water				
Useful depth(**)	S	S	S		
Upper roller diameter	200 ÷ 300 mm	200 ÷ 300 mm	200 ÷ 300 mm		
Lower roller diameter	60 ÷ 80 mm	60 ÷ 80 mm	60 ÷ 80 mm		
Roller stroke	80 mm	80 mm	80 mm		
Air consumption (mc / 1000 points)	4,6	4,6	9,2		
Water consumption	4 l/min	4 l/min	5 l/min		
Compressed air pressure (1 bar = 100 Kpa)	600 KPa	600 KPa	600 Kpa		
Dimension L x W x H of "S" version (**)	1260x790x1735 mm	1260x790x1735 mm	1260x790x1735 mm		
Dimension L x W x H of "M" version (**)	-	-	-		
Weight of "S" version (**)	960 Kg	1010 Kg	1030 Kg		
Weight of "M" version (**)	-	-	-		
(*) Movement	1 Upper head	-	2 Lower head	-	3 Upper/Lower head with differential mechanical device
(**) Depth	"S" L= 450 mm	-	"M" L= 1100 mm		

# Roller welders L series

## mod. SDPR L60 - SDPR L80

## SDPR L120



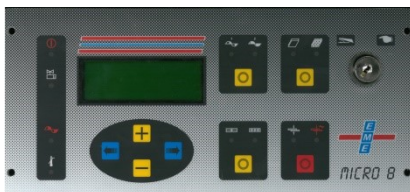
SERIES L MODEL ROLLER WELDER SDPR L60  
 SERIES L MODEL ROLLER WELDER SDPR L80  
 SERIES L MODEL ROLLER WELDER SDPR L120

Series L model roller welder SDPR L60 with 60KVA power at 50%.

Series L model roller welder SDPR L80 with 80KVA power at 50%.

Series L model roller welder SDPR L120 with 120KVA power at 50%.

The SDPR L roller welder is made of machined electro-welded sheet and structural steel which underwent severe normalization treatments so that high precision, excellent rigidity and resistance to stress can be ensured. Roller holding heads with rolling bearings, friction contacts machined which ensure a proper electric contact for the welding current, cooled by cooling liquid circulation. The heads are moved by a three-phase asynchronous motor activated by an inverter to precisely regulate welding speed and movement. Water cooled and vacuum impregnated transformer to ensure sport-welding continuity. Multi-turn potentiometer for the adjustment of the roller rotation speed with the possibility of reversing.



### "MICRO8 RULLI" WELDING CONTROL

Welding control mod. Micro8 Rulli, synchronous control board with a microprocessor in 5 steps. Provides timing, synchronous with the network frequency, of the various stages of the cycle (docking, welding, cold time and maintenance), and the adjustment of the welding current by partialization with continuous or impulsive selection of the spot. It offers the dual program as standard.

# Puntatrice a Rulli serie L

## mod. SDPR L60 - SDPR L80

### SDPR L120

TECHNICAL FEATURES	SDPR L60	SDPR L80	SDPR L120
Nominal power at 50% ED	60 KVA	80 KVA	120 KVA
Max short-circuit power	72 KVA	96 KVA	144 KVA
Nominal primary voltage	400 V	400 V	400 V
Nominal frequency	50 Hz	50 Hz	50 Hz
Secondary voltage	4,3 V	5,27 V	7,62 V
Permanent secondary current	12 KA	14 KA	16 KA
Short-circuit current	16 KA	21 KA	28 KA
Max welding secondary current	12 KA	14 KA	16 KA
Connection power	67 KVA	96 KVA	136 KVA
Power supply cable section ( $\leq 40$ int. line)	35 mm <sup>2</sup>	50 mm <sup>2</sup>	75 mm <sup>2</sup>
Pressure at the electrodes at 6 atm.	450 daN	450 daN	900 daN
Max welding capacity on "S" mild steel	1,2 + 1,2 mm	1,5 + 1,5 mm	2 + 2 mm
Movement (*)	1/2/3	1/2/3	1/2/3
Welding speed	1÷500 mm/s	1÷500 mm/s	1÷500 mm/s
Operation	Pneumatic		
Cooling	Water		
Useful depth(**)	S/M	S/M	S/M
Upper roller diameter	200 ÷ 300 mm	200 ÷ 300 mm	200 ÷ 300 mm
Lower roller diameter	80 mm	80 mm	80 mm
Roller stroke	80 mm	80 mm	80 mm
Air consumption (mc / 1000 points)	4,6	4,6	9,2
Water consumption	4 l/min	4 l/min	5 l/min
Compressed air pressure (1 bar = 100 Kpa)	600 KPa	600 KPa	600 Kpa
Dimension L x W x H of "S" version (**)	1260x790x1590 mm	1260x790x1590 mm	1260x790x1735 mm
Dimension L x W x H of "M" version (**)	1800x790x1590	1800x790x1590	1800x790x1735
Weight of "S" version (**)	960 Kg	1010 Kg	1030 Kg
Weight of "M" version (**)	1120 Kg	1170 Kg	1190
(*) Movement	1 Upper head - 2 Lower head - 3 Upper/Lower head with differential mechanical device		
(**) Depth	"S" L= 450 mm - "M" L= 1100 mm		