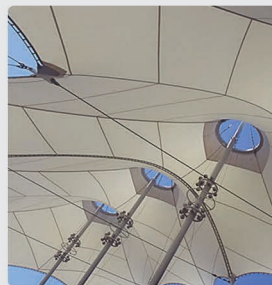
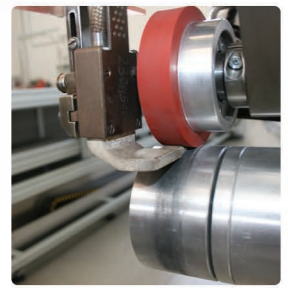
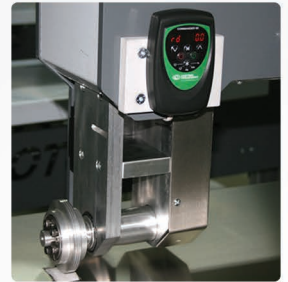
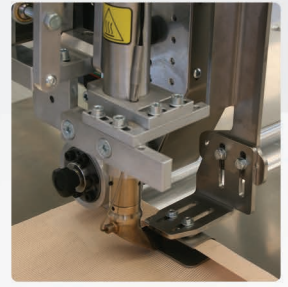




SM-200-SA Stationary head welding machine





SM-200-SA Stationary head welding machine

SM-200-SA is a semi-automatic welding machine for technical fabrics. The machine can install *Rotosonic* (ultrasonic) or *hot air* welding technology, or both technologies *simultaneously* and is also available with a hot wedge welding tool. With a simple, solid steel and aluminum structure, SM-200-SA can be built with a flat, stationary surface or with rotating arm to weld reinforcing rings on filter bags and duct pipes. Custom designed guides and wheels ensure seams of the highest quality. No particular expertise is required to operate the machine, a user friendly touch screen makes the setting of the working parameters very easy. Operating costs are extremely limited, maintenance costs are negligible. With its great versatility SM-200-SA can be applied in a wide range of industries and for a wide range of welding jobs.

Applications for hot air welding:

- ▶ Welding of thermoplastics such as PVC and crystal (clear) PVC, or PVC coated fabrics.
- ▶ Welding of omega-profiles or keders to PVC sheets.
- ▶ Welding of non woven fabrics.
- ▶ Production of keders.
- ▶ Glue tape welding.

Applications for Rotosonic welding:

- ▶ Bonding of synthetic fabrics such as non-wovens and polyesters.

For the production of:

- | | | |
|------------------|-----------------------|--------------------------|
| ▶ Awnings | ▶ Tents & shelters | ▶ Containments bladders |
| ▶ Sails | ▶ Tarpaulins | ▶ Geomembranes |
| ▶ PVC covers | ▶ Pool covers | ▶ Industrial speed doors |
| ▶ Tunnels | ▶ Banners & signs | ▶ Keders |
| ▶ Filters | ▶ Duct pipes | ▶ Disposable products |
| ▶ Building wraps | ▶ Inflatable products | ▶ Hygienic clothing |



Installable tools:

- ▶ Welding head with Rotosonic technology (28 mm)
- ▶ Hot air welding head

Installable software:

- ▶ SM-200-SA Software for ultrasonic bonding or hot air welding

Installable accessories:

- ▶ Standard guide for overlap
- ▶ Standard guide for lateral hem
- ▶ Standard guide for lateral pocket
- ▶ Custom guide
- ▶ Guide for lateral hem w/ spline insertion
- ▶ Custom butt welding guide (side-to-side)
- ▶ Custom guide for lateral reinforcing strips
- ▶ Clutched wheel for material pulling
- ▶ Pneumatic hood for aspiration of welding fumes



TECHNICAL SPECIFICATIONS

Usable welding length:		Power and air (w/ hot air and standard accessories):	
Standard length:	-	Voltage:	16 Amp, 1 phase + N + E, 220 Vac
Maximum length:	infinite	Power consumption:	3,5 kW
		Air consumption:	350 nl/1' @ 6 bar
Seam width:		Throat:	
Hot air:	10 - 50 mm	Height (0,6/1m arm):	0,25 m
Rotosonic (ultrasonic):	5 - 30 mm	Width (0,6/1m arm):	0,40 / 0,94 m
Hot wedge:	10 - 20 mm		
Typical tool combination:		Max. number of installable tools:	
Hot air, Rotosonic (ultrasonic)		2	
Footprint (approximate) for 1m arm:		Weight (w/ hot air and standard accessories):	
Width at the widest point:	1,1 m	With 1m arm:	350 Kg
Length:	1,8 m		
Footprint (approximate) for 0,6 m arm:		Weight (w/ hot air and standard accessories):	
Width at the widest point:	0,8 m	With 0,6 m arm:	250 Kg
Length:	1,1 m		
Rotating welding arm:		Speed:	
optional			
Touch screen for digital parameter control: standard included		Maximum potential welding speed*:	15 m/min
		*Actual speed depends on fabric or material and application.	
Pneumatic and electronic components*:		Certification:	
Standard industrial: Omron, SMC, SKF, Control Techniques, Pro-face, Bonfiglioli		2006/42/EC; 2006/95/EC; 2004/108/EC; EN ISO 12100; EN ISO 13857; EN 349; EN ISO 4414; EN ISO 13850; EN 60204-1; EN ISO 13849-1	
*May vary without previous notice from manufacturer.			
Given values and shown images are indications and may vary without previous notice from manufacturer.			





The global
manufacturing
solution

www.smre.it

S.M.R.E. Engineering – The global manufacturing solution

S.M.R.E. Engineering is a dynamic Italian company built on a *young* and *strongly motivated* group of *highly skilled professionals*, specialized in the design and construction of industrial machines – *global manufacturing solutions*, as we like to call them.

S.M.R.E. builds welding, sewing and cutting machines, and special, custom made machinery to process technical fabrics and flexible materials (FLEX TEX), as well as machines to work rigid and semi-rigid materials (HEAVY DUTY).

Our aim is to enhance efficiency and optimize productivity by combining new technologies and traditional manufacturing methods, by integrating mechanics, pneumatics, electronics and software, and create a complete solution for our customers' production requirements.

With over 900 manufacturing solutions supplied to 35 nations and 5 continents S.M.R.E. is a leading manufacturer of industrial production lines.

Tailor made solutions

Our customers are the focus of what we do. S.M.R.E. has created a company culture in which the key element is understanding – and meeting – our customers' needs. Our machines not only distinguish themselves with their quality and revolutionary technology, but also because they are *tailor made* according to the specific requirements of our customers.

Visiting S.M.R.E.

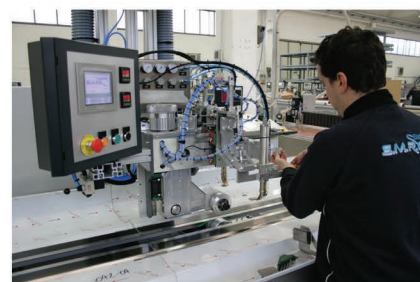
We are glad to receive visitors to our head quarters in Umbertide, in the heart of Italy. Your visit is an outstanding occasion not only to see our plant and look behind the scenes, but to meet the people that design, build and test our machines, and discuss your needs with an expert.

Our company is 30 minutes away from Perugia airport and an approximate 2 hours from Rome, Florence and Bologna. There are several hotels nearby that offer special rates for S.M.R.E. guests.

Our staff is available to assist you in making arrangements for your visit. Please contact us at info@smre.it.

S.M.R.E. S.p.A.

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