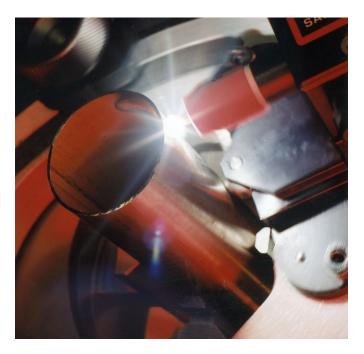


Orbital welding : Prefabrication

Orbital welding involves rotating a Tungsten electrode around a tube to weld it to other tubes or accessories.

Our welding range incorporates a unique and atypical orbital welding machine for so-called "prefab" because it cannot be brought to the tube, it is the tube that is brought to the machine.

It is an axial loading machine which involves being able to pull out the tube as well as the welded accessory.



These machines that use standard cutting and bevelling frames have the advantage of being very robust and easy to use.

In fact, the SX range is mainly intended for workshop or building site prefabrication use. These machines are also used to carry out repeatable production welding on suitable elements.

Our machines can all be equipped with either an air-cooled torch or a water-cooled torch, with or without filler metal.

FLEXIBILITY, PRODUCTIVITY

Welding with a water or air cooled torch with or without filler metal. It allows production of medium to large series of welding sub-assemblies. The diameter range of each machine is very wide and does not require specific jaws.

QUALITY AND REPEATABILITY

TIG welding without tube distortion (multi-contact concentric clamping) ideal for thin walled stainless steel tubes. Mechanical tracking and axial adjustment optimize the quality of your welds.

EASY TO USE

Robust and intuitive, it is adapted to any operator profile.





Please do not hesitate to contact us for all enquiries relating to orbital welding technology.

We will be glad to share our know-how with you and to devise a solution that best meets your needs!



SX122 - 172 - 222 - 322









SX122 - 172 - 222 - 322



Technical characteristics:

Machines for TIG orbital prefab welding.

Choice of: AIR cooling or WATER cooling

For optimum use, the ambient temperature must be between 0 $^{\circ}$ C and + 40 $^{\circ}$ C.

Compatible with AXXAIR's SAXX orbital power sources that have an automatic parameter calculation mode.

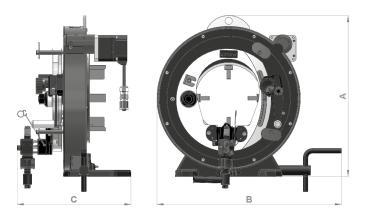
The power source will offer you parameters adapted to the characteristics of the tubes / accessories to be welded.

The machine can be supplemented by a wire feed system. For details, please refer to accessories.

For welding with an AVC / OSC system please refer to the catalogue for thick walled tubes.



Model	100% Duty cycle	
SX-xx2-E (WATER)	200 A	
SX-xx2-A (AIR)	100 A	



	Product Code	Machine's jaw opening capacity in mm		N	Dimensions
		With basic jaws	With extra jaws (included)	Net weight	(AxBxC in mm)
Cooling AIR	SX122-A	Ø29 - Ø <mark>119</mark>	Ø <mark>12</mark> - Ø99	45 kg	446 x 541 x 350
	SX172-A	Ø74 - Ø <mark>173</mark>	Ø <mark>16</mark> - Ø116	52 kg	493 x 566 x 350
	SX222-A	Ø128 - Ø <mark>228</mark>	Ø <mark>55</mark> - Ø155	60 kg	548 x 594 x 350
	SX322-A	Ø230 - Ø <mark>328</mark>	Ø141 - Ø239	73 kg	649 x 644 x 350
Cooling WATER	SX122-E	Ø29 - Ø <mark>119</mark>	Ø <mark>12</mark> - Ø99	45 kg	446 x 541 x 350
	SX172-E	Ø74 - Ø <mark>173</mark>	Ø <mark>16</mark> - Ø116	52 kg	493 x 566 x 350
	SX222-E	Ø128 - Ø <mark>228</mark>	Ø <mark>55</mark> - Ø155	60 kg	548 x 594 x 350
	SX322-E	Ø230 - Ø <mark>328</mark>	Ø141 - Ø239	73 kg	649 x 644 x 350

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