

## Orbital Welding (Microfit closed heads)

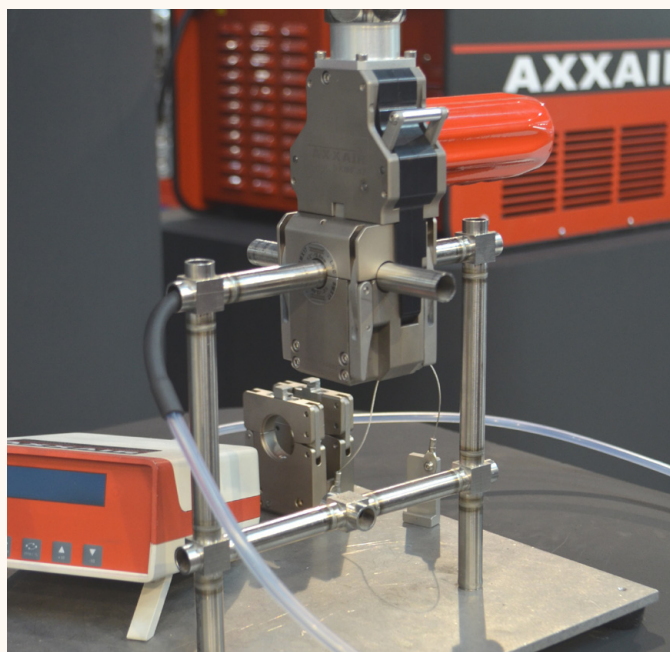
**AXXAIR**

INNOVATIVE ORBITAL SOLUTIONS

The Microfitting Series has been designed to weld small diameters tubing and fittings mainly in the semiconductor industry.

This head is a cassette system which allows first to position the parts to be welded in the cassette that is a clamping feature. Once centered and positioned correctly, the welding head is slid in the cassette to correctly position the electrode to the surface to be welded.

The cassette combinations are multiple depending on the type of parts to be welded, tube-tube, tube-union elbow, union elbow-union elbow for example.



The automatic welding cycle can then be started directly through the start button on the motor handle of the head.

The SAXX-200 air cooled is the perfect combination with the SXMF heads to control all steps of the welding cycle. You can refer on all SAXX power sources advantages in the section SAXX power sources.

The SAXX offers functions such as dual digital gas control, auto-calculation of the parameters, compatible competitor head control, USB memory stick, welding data acquisition.

### FLEXIBILITY, PRODUCTIVITY

Productivity remains our primary concern. AXXAIR's cassettes have been designed to fit various configurations of different parts to be welded and the weld heads provides high duty cycles.

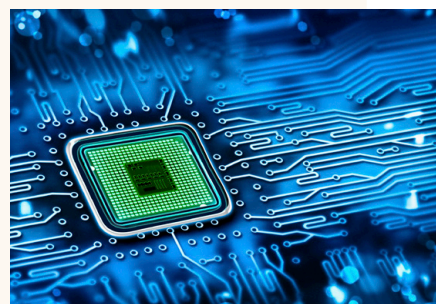
### QUALITY AND REPEATABILITY

The SMMF range allows optimum tube positioning while controlling the tightening forces so as not to distort or mark your tubes.

### PORTABILITY

In order to allow you to weld in restrictive conditions and locations, the size and weight of the machines have been significantly reduced.

Our welding cable, housed in an ultra flexible and very resistant protective sheath, also facilitates manipulation of the welding head.



Do not hesitate to contact us for your demands as the applications can be various and the welding configurations multiple.

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



## SXMF-17

**AXXAIR**

INNOVATIVE ORBITAL SOLUTIONS

### AIR cooled

The aluminium hosing on each side of the head protect but also help to evacuate more heat

### Compact and light

Weight: 4.5 kg with cable

### Thermal shield

We shield the electrode surrounding on the rotor as it is very exposed

### Compatible with SAXX power sources



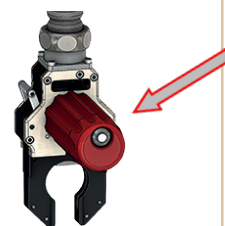
### Transport

These heads are delivered in their work site case



### Cycle start button

Starting the welding cycle or TEST mode



### Cassette locking lever

Allows a stable hold of the cassette when it is placed on the head. Compatible Swagelock cassettes, please contact us

### Body with inclined contact surfaces

Allows easy removal of the cassette even when it is hot

### Welding range

SXMF-17	$\varnothing 3 \text{ mm} - \varnothing 17.2 \text{ mm}$ $1/8'' - 5/8''$
---------	---



## SXMF-17

### Technical characteristics:

Maximum welding current for a duty cycle of 35%	70 A
Maximum welding current for a duty cycle of 50%	55 A
Maximum welding current	80 A

- Cable length: 16 feet / 5 meters
- Operating temperature: 32°F to 104°F (0°C to 40 °C)

The SXMF-17 is a cassette type orbital welding head. It is controlled by AXXAIR's power sources. The air cooled SAXX-200 orbital power supply is recommended.

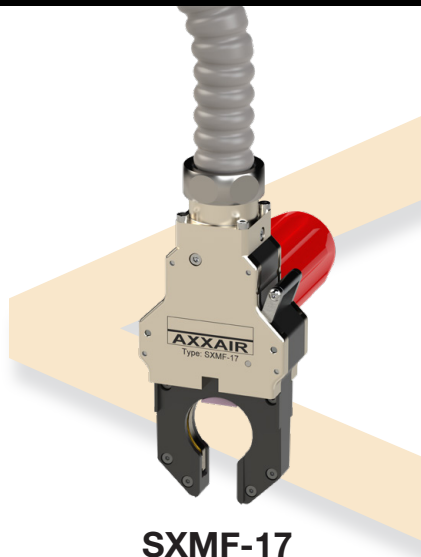


The SXMF-17 machine can weld different tube configurations (Tube/Tube – Tube/elbow union– Fitting/Fitting - ...), 3 cassettes and various accessories are available.

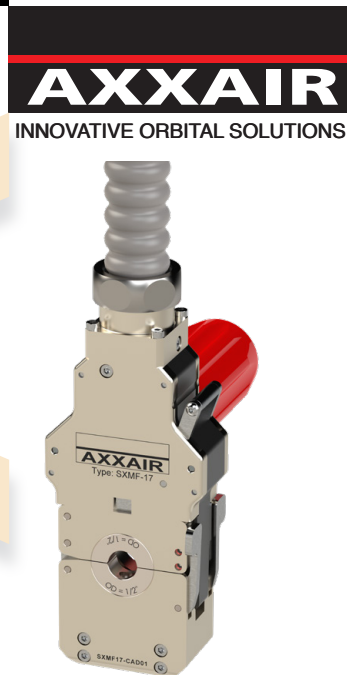
Please refer to the following pages in order to find the products' codes and sideplates' configurations.

The head SXMF-17 is delivered with:

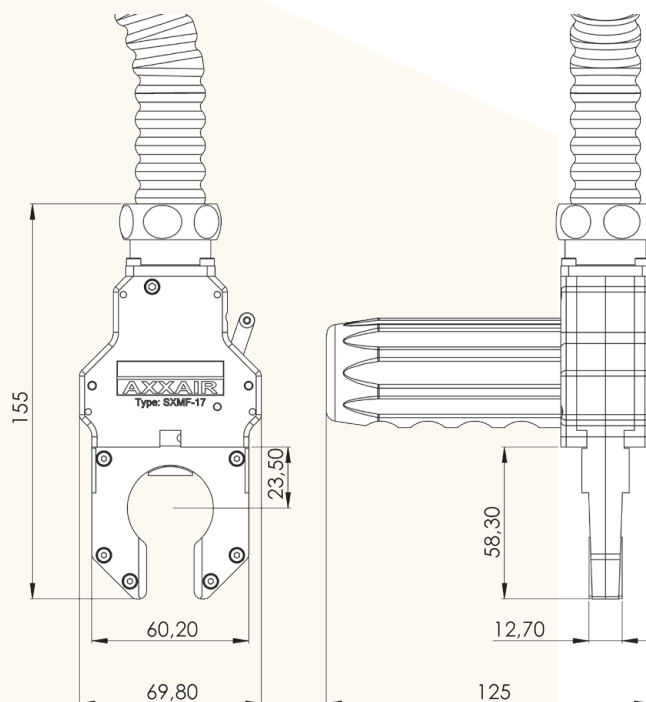
- A transport case
- Tool to set up the tungsten
- Tool to adjust the tungsten
- Tool to set up the collets
- User manual



**SXMF-17**



**SXMF-17  
with mounted cassette**



Length of the cable	Product code	Description	Tube welding machine for:	Diameter electrode	Weight without cable	Dimensions
5 m	SXMF-17-05	Microfit closed welding head	1/8" to 5/8" mm ø 3 - ø17.2 mm	0.040» Ø1.0 mm	1.4 lbs. (0.6 kg)	See above
<b>NEW</b> 10 m	SXMF-17-10					
<b>NEW</b> 15 m	SXMF-17-15					