

## The orbital prefab welding range

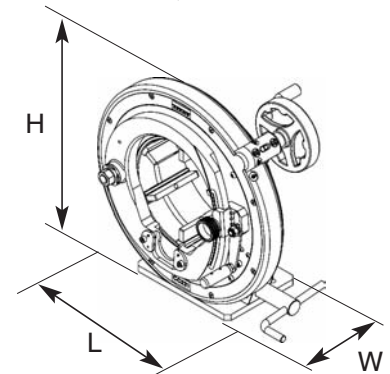


Ref. machine	Cooling system	Nb concentric stainless steel clamping jaws	Diameter spread (mm)	Tube Thickness (mm)	Weight (kg)	Body's size (mm) h x L x W
SC121A or E	Air or Water	4	12→121	0,5→3*	50	432x520x297
SC171A or E	Air or Water	4	16→170	0,5→3*	57	474x545x297
SC221E	Water	6	59→225	1→3*	64	515X544X320
SC321E	Water	6	140→330	1→3*	86	674X636X320

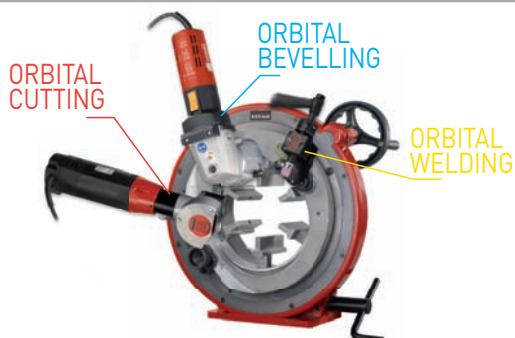
\* Tube thicknesses of over 3mm require special bevel preparation and use of the AVC/OSC/wire

Delivered with: automatic electric rotation SAEA, air or water-cooled welding torch (**SC121** or **SC171**), water-cooled welding torch (**SC221** or **SC321**), torch support

**Important** : Requires to use the power source air or water-cooled **SASL-200A, SASL-200E, SASL-200EF, SASL-200TOA, SASL-200TOAF, SASL-200TF** or **SASL-200TRA**



OUR R AND D DEPARTMENT STUDIES THE ADAPTATIONS OR MODIFICATIONS NECESSARY TO MEET CUSTOMERS' DEMANDS ON A CASE-BY-CASE BASIS



## GLOBAL-PROCESS

### 1 machine = 3 applications

On the same machine,  
you just need to change tools to realize  
cuts, bevels and welds

# Accessories

## Automatic torch

Ref. : **SATDA-06** for SASL-200A  
Automatic air straight torch  
Delivered in a plastic case  
with a torch accessory kit



Ref. : **SATDE-06** for SASL-200E  
Automatic water straight torch  
Delivered in a plastic case  
with a torch accessory kit

## Thermal printer

For SASL-200 : **SAIMP-02**



## Pressure release valve

Ref. : **SADDD-15**  
Pressure release valve with flow meter,  
using columns which can be  
set from 0 to 30 L/min  
Allows gas for the welding torch  
and internal gas protection



## Module AVC/OSC/Wire

Ref. : **SOAF** to be used with **SADF2**  
AVC/OSC System with Wire  
AVC : allows a constant arc length to be  
maintained over the entire cycle, based on  
arc tension, even if the tube is distorted  
OSC : allows the electrode to be moved in the tube  
axis so that the bevel can be filled efficiently.  
For the **SATO**, use the references with  
integrated modules (exp : **SATO-115NAO**).



## Internal Inerting

Ref. : **SKIF-01**  
Internal gas protection of the tubes  
is mandatory for automated orbital  
welding but also for manual welding  
applications on stainless steel  
Internal gas protection kit with membranes: Ø 40 to 120 mm  
Delivered in a plastic case with: 9 sets of membranes with washers,  
one 6m gas hose, 1 metal cable, 1 gaz valve with ¼ turn connection,  
1 spring hook  
Weight : 4 kg



## Silicone stopper kit

Ref. : **SKIB-01**  
Silicone stopper kit Ø 6 to 41 mm  
Delivered in a plastic case with :  
10 sets of perforated stoppers, 1 fitting for  
gas entry, 1 hose Ø 4/6 and length 5 m  
Weight : 1,6 kg



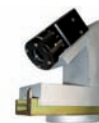
## Wire feeder

Ref. : **SADF2**  
Drive system : 2 rolls  
Wire speed : 4 to 400 mm/min  
Pulsation : 0 to 180 pulses/min, synchronizable  
Wire spool : 5 kg standard (15 kg compatible)  
Weight : 13 kg  
For SC and SATO



## Inclined torch support

Ref.: **STI**  
Inclined torch support for  
SC models from -45° to +45°



## Inclined torch

30°, ref. : **SKTDI-30** for SC  
45°, ref. : **SKTDI-45** for SC



# Consumables

## Electrode consumable

Material : tungsten, cerium, lanthanum  
Sharpening : angle 20°  
Plane : 0,40 mm for Ø 1,6 and 0,70 mm for Ø 2,4  
Surface state : < 32 µ inch

Range SATO/SC :  
Ø 1,6 mm, L 50 mm ; ref. **SCE16-50**  
Ø 2,4 mm, L 50 mm ; ref. **SCE24-50**



## Torch spare kit

Straight torch :  
Ø 1,6 mm, ref. : **SKTD-01**  
Ø 2,4 mm, ref. : **SKTD-02**  
Manual torch :  
Ø 1,6 mm, ref. : **SKTM-01**  
Ø 2,4 mm, ref. : **SKTM-02**



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