

## STRIP END WELDINGMACHINE

## SGA 120

### Machine for strip end cutting and strip end welding

#### Unit consisting of:

Solid base made of aluminium profiles, wheelable  
Machined surface

#### Technical data:

- |                      |   |
|----------------------|---|
| - Weldable materials | steel, stainless steel,<br>aluminum, copper |
| - Strip width        | 30 - 120 mm                                 |
| - Strip thickness    |   |
| Copper               | 0,2 – 1,5 mm                                |
| Steel                | 0,2 – 1,2 mm                                |
| Steel stainless      | 0,2 - 1,0 mm                                |
| - Working height     | 1100 mm                                     |
| - Welding source     | Séchy                                       |
| - Welding method     | Tungsten Inert Gas TIG                      |

#### Control:

- Wiring following EN-60204 regulations
  - Integrated touch screen able to control all functions
  - Connection
- 400 V / 50/60 Hz  
3L+N+PE  
Pre fuse 16 A



Colour: blue RAL 5023

#### Linear sliding carriage 90° (Y, Z)

The z – axis is designed for the height positioning of the electrode. The alignment happens with an adjustable screw. The lateral movement (Y - axis) of the welding head is carried out by a servo drive. The speed of the lateral movement (welding head) is adjustable.

#### Drive of the Y - axis

The welding head is linearly guided and equipped with an adjustable servo drive.

#### Strip guiding and strip pressing

Both strip ends have to be placed manually onto an arrester, mounted on a plate at the input and the output of the system. After the cut with the automated pneumatic shear, both strip ends are moved automatically in the welding position. The clamping in the right position automatically happens with pneumatic clamps.

#### Pneumatic shear

The cut is activated by two push buttons. The precision blade makes a clean, burr - free cut for an ideal welding result.

## Welding source

The fine tuning of the welding source allows the precise adjustment of the welding temperature. The gas - bottle (10L) for the gas shielded arc welding has to be purchased by the customer. The bottle is placed on the specially designed support.

## Welding head

The welding head is mounted on the Z – axis. The height of the electrode can be adjusted by a screw in order to keep the correct distance between the electrode and the welding material.

## Electrode grinding device (option)

The system is mounted on the machine table. The electrode has to be grinded after several welding processes. This system promises an economy of time.

Dimensions (depth x width x height)

886 x 941 x 1555 [mm]

