

SACA

Semi-Automatic Component Assembly

P/N: 01-06-0001



StoneShield
ENGINEERING



Applications:

Assembly of flaps' modules of EVs' charging ports



Technical Data:

Dimensions:

Length:	970 mm
Width:	700 mm
Height:	810 mm
Weight:	80 kg

Connections:

Electrical:	230 VAC @ 50 Hz - 1 IEC standard male socket
Consumption:	1.5 kW (peak)
Air pressure:	4.5 to 6 Bar - quick-coupler socket - 8 mm
Interface:	Touchscreen, USB, Ethernet

The SACA, Semi-Automatic Component Assembly, is a machine designed to assemble, in a controlled way, the flaps' modules of EVs' charging ports.

It can process 4 different variants of flap modules. The variant is selected using a barcode reader.

The operator places each component in poke-yoke jigs, which upon detection, automatically performs the assembly.

After the assembly process, the machine measures the spring constant modulus of each flap independently.

The result of the assembly and the spring constant value is printed into a dedicated label.

A touchscreen displays every step of the assembly process.