

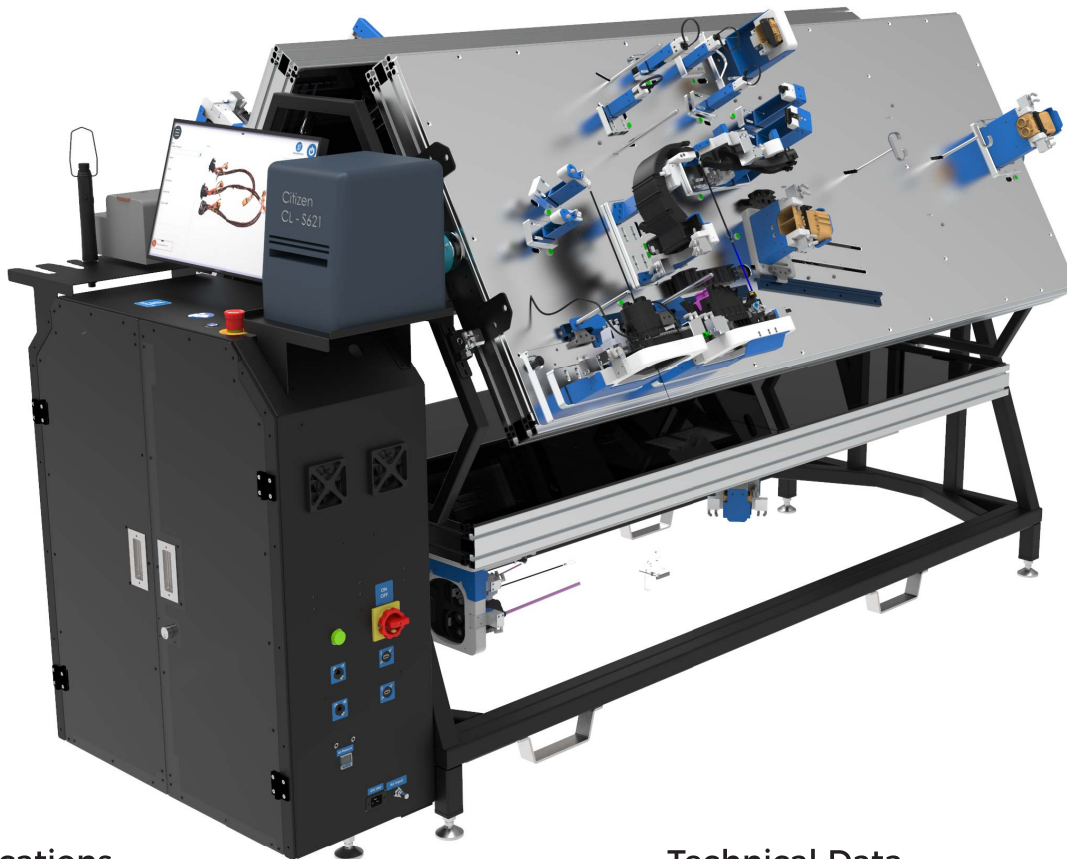
HV-IAT

High-Voltage Interactive Assembly Table

P/N: 01-06-0003



StoneShield
ENGINEERING



Applications:

To perform the assembly of HV harnesses in an interactive way.



Technical Data:

Dimensions:

Length:	2640 mm
Width:	1200 mm
Height:	1600 mm
Weight:	600 kg

Connections:

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

The HV-IAT, High-Voltage - Interactive Assembly Table, is a machine designed to guide and assist operators during the assembly of HV cables' harnesses.

Each assembly table has 3 different assembly panels, arranged in a triangle configuration, which allows the simultaneous usage of 2 different panels. The rotation of the panels is done manually, but the machine recognizes which variation is selected.

Each assembly panel is made by fixtures, where the operator places the different components. During this process, indicative LEDs guide the operators to ensure all steps are made correctly and a general touchscreen shows the progress and reference being produced.

Other processes, like tightening and straps application are also monitored. All data is stored for traceability. When the assembly is finished correctly, the harness is released and a label is printed.