

Robotic ESD Gun Tester *SmartZap-S*

The *SmartZap-S* is a simpler version of *SmartZap-Pro* (fully automated robotic gun tester with a six axis robot). *SmartZap-S* is equipped with an industrial grade scara robot (4-axis robot) and the same SmartZap-V4 software as *SmartZap-Pro*. All test scenarios that the *SmartZap-Pro* supports can be realized except the features that are limited by the hardware.

Main Features

- Flexible test scenarios
- Easy definition of test procedures and action sequences
- Supports any ESD gun model
- Zapping top surface
- Test point definition by teaching (joystick)
- Complete ESD simulator test condition control



Options

- Discharge brush
- Automated gun tip change (contact ↔ air) ⁽¹⁾

Hardware Specifications

Robot	<ul style="list-style-type: none"> • Number of axes - four • Arm reach - 17.75" (40 cm) • Accuracy - 30 um • Z stroke - 7" (18 cm)
ESD Table	<ul style="list-style-type: none"> • W x D x H : 27" x 35" x 23" (69 cm X 89 cm X 80 cm) • 60 cm x 60 cm HCP with 0.5mm dielectric sheet
System dimensions	<ul style="list-style-type: none"> • 27" X 35" x 58" (69 cm x 89 cm x 147 cm, W x D x H)

Notes: (1) This option requires a pneumatic circuit module