

SmartZap Models

SmartZap is a fully automated robotic ESD gun tester and they come in three different models.

<i>SmartZap-Pro</i>	<i>SmartZap-S</i>	<i>SmartZap-PT</i>
Five side zap with loaded HW/SW features In compliance with industry standardized testing protocols	Does not meet criteria for industry standardized testing protocols	Optimized for pin tests Automated pin contact verification
6-axis robot 100 um accuracy	4-axis robot 100 um accuracy	4-axis robot 100 um accuracy
Five side zaps	Top side zap - standard Side zaps by manual gun tilting	Vertical and horizontal zaps only
Tool head can accommodate: <ul style="list-style-type: none"> • ESD gun with modified tip • Hard finger • Soft finger • Discharge brush • Suction cups • Ionizer • Current clamp • Voltmeter 	Tool head can accommodate: <ul style="list-style-type: none"> • ESD gun with modified tips 	Tool head can accommodate: <ul style="list-style-type: none"> • ESD gun with modified tips • Current clamp • Ionizer • Voltmeter
Test point assignment by teaching, cameras or DUT CAD file	Test point assignment by teaching	Test point assignment by teaching
IEC 61000-4-2 compliant ESD table	60 cm X 60 cm HCP with 0.5mm dielectric sheet on top	No table is supplied

Optional features:

- Cameras (Top, four sides and bottom)
- Automatic failure detection module (FD)
- Pick-n-placing
- DUT flipping
- Automatic contact / air tip change
- Hard or soft fingers
- Discharge brush
- CAD import and test pint assignment over a CAD file
- Safety fence

Optional features:

- Side zapping capability by manual 45 degree tilt of the gun angle
- Discharge brush
- Automatic contact / air tip change

Optional features:

- Contact verification
- Quick disconnect bracket

