




Large format, versatile & high speed




Robotic wire harness manufacturing

Automation equipment that transforms electrification, solves labour shortage & shortens supply chains



Versatile 5-axis platforms with interchangeable assembly tools

-  Reduce labour
-  Improve quality
-  Save costs

-  Simplify supply chain
-  Digitize manufacturing
-  Onshore production

Model: SQ25W1



Machine size

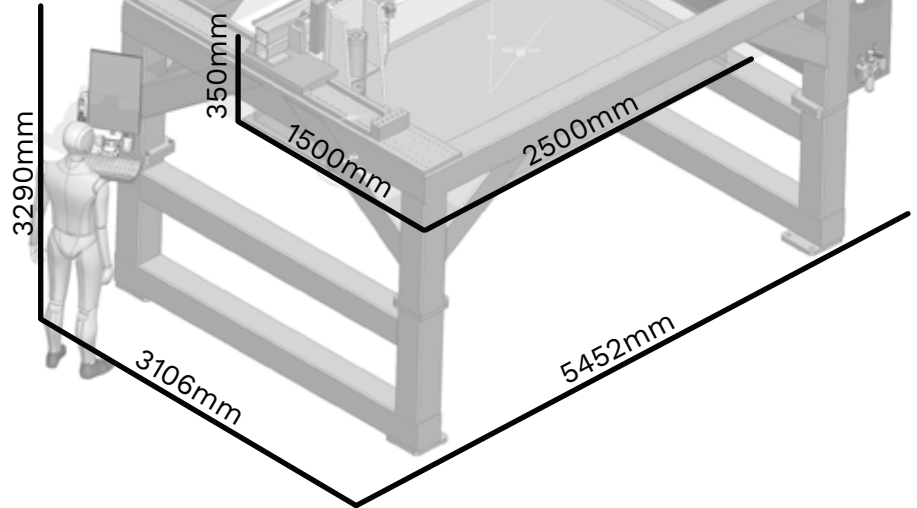
Length (plus HMI)	4452mm
Depth	3106mm
Height	3290mm
Weight	6000kg

Build envelope

X Depth	1500mm
Y Width	2500mm
Z Height	350mm

Service clearance

Above	200mm
Front (HMI)	1000mm
Rear (services)	1000mm
Right (load)	1000mm
Left (load)	1000mm
Floor loading 6 pads ø170mm	1000kg EACH



Operating environment

Temperature range	20-25 °C
Humidity range	40-60% RELATIVE
Electrical supply	400V AC (+6% / -10%), 50Hz
Compressed air	6BAR

Core functions:

- 5-axis motion platform
- Integrated HMI
- 6 toolchange positions
- Laser distance measure

Designed to integrate with

- Strip and crimp machinery
- Large quantity consumable feeds
- Automated QA/QC systems
- Laser or inkjet wire marking
- Automated load/unload
- Extended X-axis for very large parts
- Vacuum fixturing

End-effector selection

- HI14A2 - Insulated wire deposition 1.4mm OD
- HI16A2 - Insulated wire deposition 1.6mm OD
- HPADA2 - Hot glue head 400 to 20,000
mPas@20 to 200°C / 68 to 392°F
- HT11A2 - IDC press 550N with hex tool holder
- HPT1A1 - Probe head ±2µm

Wire range and type constantly evolving

- Insulated wire range 0.35 to 4.0mm OD
- Solid core, stranded wire
- Bare or coated wire
- Twisted pair
- Consumables & integrations subject to TAC
assessment

SPECIFICATIONS ARE FOR REFERENCE ONLY