

The **TBS short circuit testing machine, Types SCT4 and SCT5** set a new benchmark for short circuit testing machines: fully automatic battery type changeover at the push of a button.

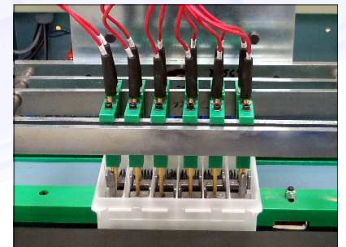
TBS SPEEDSHIFT



- Process speeds of up to 10 automotive batteries per minute.
- Push-button battery type changeover.
- Reject station included.
- Available in versions to suit 6x1, 3x1 and 3x2 battery layouts.
- Comprehensive world-wide support with remote link-up options.
- Can be installed as a stand-alone unit or as part of a complete Speedshift assembly line solution from TBS.

Standard Speedshift SCT features: (PTO for options)

- **Push-button changeover** – fully automatic, fast and operator error free. The automatic changeover includes the all battery positioning stops and front and back guide rails.
- **Intelligent process control** – the testing process is set and monitored through the operator interface. All machine positional settings and timings are stored safely and can be accessed from the recipe recall functions.
- **Variable high voltage test** – Suitable for leaf separators and enveloped battery groups.
- **Manual test facility** – batteries with suspect groups are automatically rejected for further inspection.
- **Networkable PLC control** – allows remote diagnostics, advanced statistical and battery data to be downloaded from other *Speedshift* machines.
- **Computer controlled motor movements** – accurate, repeatable positioning of all key process parameters through operator interface using *Speedshift* closed loop control system. Very precise, small adjustments such as box and test head position can be made through the operator interface.



Test head can be configured with multiple pairs of probes.

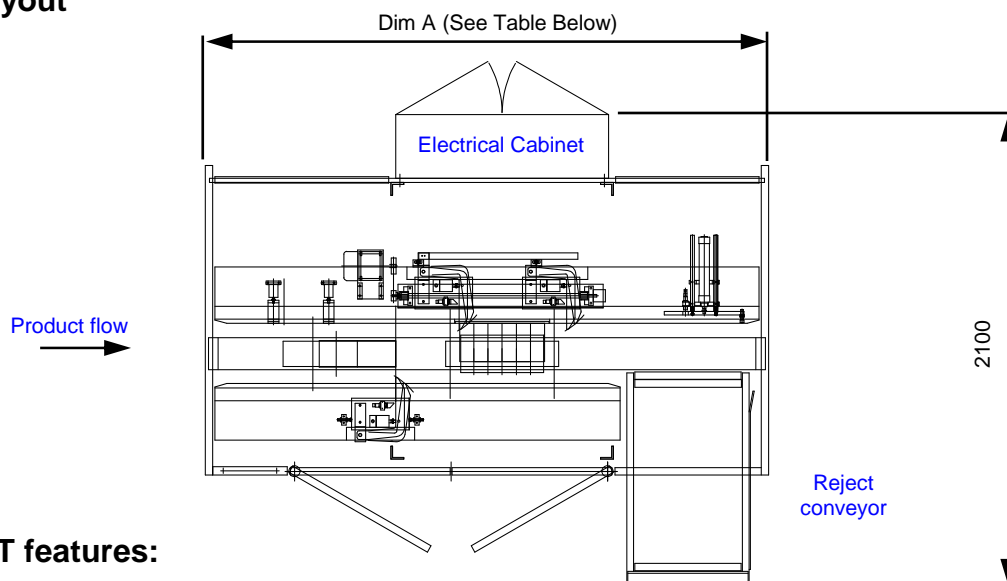


Compact operator interface with recipe recall, machine diagnostics and management statistics.

To find out how Speedshift technology can work for you, contact TBS on:

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 Fax: +44 1242 229619
 E-Mail: sales@tbseng.co.uk
 Internet: <http://www.tbseng.co.uk>

Typical SCT Layout



Optional SCT features:

- **Test Head Options:**

	Heads	Test Units	Dim A	BPM
SCT4	1	1	3700	Up to 6
SCT5	2	2	3700	Up to 10

- **Full colour touch-screen display** with process diagnostics, recipe recall and management statistics.

CONTROL

3 axis 'Closed loop' computer controlled machine operation. User friendly operator interface with on-board diagnostics. All wiring to IEC 60204 - 1.

TEST SPECIFICATION

Variable high voltage test suitable for enveloped and leaf separator plate groups. Optional alcohol spray for polarity checking of dry charge cells.

QUICK CHANGE FACILITIES

Fully automatic push button changeover for batteries within the same family. Up to 100 battery types stored in database. Cycle hold feature and step-by-step setup.

TOOLING

Interchangeable quick change tests heads to suit different battery families, e.g. different lug centres, 3x2 layout, 6x1 layout.

LAYOUT

The SCT can process all known layouts of automotive and truck type batteries. Includes automatic reject station and manual test facility as standard.

SAFETY

Integral safety features include fully interlocked access doors and emergency stop button.

SUPPORT

Comprehensive instruction / parts identification manual, service / layout diagrams, tools and standard spares provided.

SERVICES REQUIRED		SCT
Electricity – Based on 380-415V/3Ph/50Hz (Other supplies available to special order)	kW	5
Compressed air – 99.9% dry air compressed to min. 6 kg/cm ²	m³/min	0.2

TBS policy is one of continuous product improvement and we therefore reserve the right to alter the specification and published information without prior notice.