SmartCut
Fabric Sample Cutting System

The SmartCut can complete the sampling of fabrics within 3 minutes.
It can be connected with the customer's ERP or LIMS system docking through the network port, then automatically gets the test item information from the scanning of the bar code. And then the SmartCut will layout the sample graphics of the items to be tested in accordance with the standard requirements through a unique algorithm.
Next step, the sample graphics will be projected on the fabric and the SmartCut starts cutting fabric samples, automatically marking the samples as the the customer's settings.
It is suitable for sampling requirements of dozens of tests such as pilling, tearing strength, water repellency, anti-static, tensile strength, color fastness, flammability, etc. It supports various standards such as GB/T, FZ/T, ISO, EN, JIS L, AATCC, ASTM, CAN, AS and so on.

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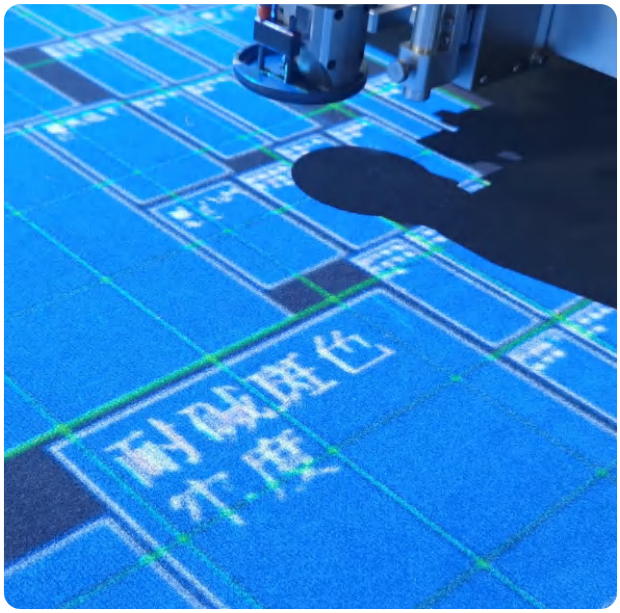

- **Strictly cuts the samples according to the standards, making sure the test is more reliable.**

  It supports decentralized sampling, trapezoidal sampling, full-width sampling, and 45° sampling, and can cut samples according to the rules such as alignment to grid and to edge. So, the reliability of the test is guaranteed from the sampling.

- **More precise cutting and higher sample pass rate.**

  The tungsten steel blade of SmartCut is sharp and can be rotated 360°, with a cutting accuracy of 0.1mm, and a round-trip cutting error rate of less than 0.01mm, i.e. cut grams of specimens accurately.

- **Saves 5 laborers per year (about $420,000) for large-scale labs.**

  If you need to cut 100 whole samples per day, the conventional manual cutting requires 3000 minutes, i.e. 6 laborers; while using SmartCut sample cutting system, 100 whole samples need only 0.6 laborers, saving 5 laborers per year for the laboratory.

  And SmartCut can also achieve multi-station cutting (cutting different fabrics at the same time); multi-layer cutting (maximum cutting thickness of 7mm, can cut 1-20 layers); shaped cutting (irregular graphics). It can mark samples.

The Specification

Cutting accuracy:	±0.1 mm
Repeatability:	±0.01 mm
Maximum cutting thickness:	7mm
Power supply:	220V/380V 50Hz-60Hz 20A-40A

Fabric fixing method	vacuum adsorption to ensure flatness
Table top wear resistance	it is recommended to replace the table top once a year.
Standard order	smart sample cutting software, smart cutting machine, computer, projector, brush function.
Optional	Inkjet marking function of the software, vibrating cutter head can be added.

Model	Working Area(cm)	Weight(kg)	Power(kw)	Warranty Period
CV517-6060	60*60	400	4.5	1 year
CV517-1410 CV517-1610	140*100/ 160*100	600	4.5	1 year
CV517-1516	150*160	650	4.5	1 year
CV517-1810 CV517-1812	180*100/ 180*120	700	4.5	1 year
CV517-2516	250*160	1000	9.5	1 year
CV517-3020	300*200	1200	9.5	1 year

Applicable test items and standards

Abrasion & Pilling	GB/T4802 、ISO12945 、 JIS L1076、ASTM D4970
Tearing Strength	GB/T3917 、ISO 13937 、 JIS L1096 、ASTM D751
Water Proof	GB/T4745、ISO 4920、AATCC 22、 ISO 9865、JIS L1092
Antistatic Test	GB/T12703 、GB/T 22042、 EN 1149、ISO 6330
Core Suction Height	GB/T21655、JISL1907、ISO6330
Dimentional Stability	GB/T 8629、ISO 6330、JIS L0217、 AATCC 135、AS2001.5.4
Elastic Elongation	FZ/T01062、ASTMD3107、 JIS L1096、EN 14704
Tensile Strength	GB/T3923、ISO 13934 、 ASTM D5034、EN 29073-3
Fabric Weight	GB/T4669、ASTM D3776、ISO 3801、 JIS K6772、EN 12127
Abrasion Resistance	GB/T21196.2、ISO 12947、 ASTM D3884、AS 2001.2.28
Peel Strength	FZ/T80007.1、ISO 8096、JIS L1089、 ASTM D2724
Burst Strength	GB/T7742.1、ISO13938-1、 ASTM D3786
Seam slippage	GB/T13772.1 、FZ/T20019、 ISO13936 、JIS L1096
Anti-hooking	GB/T11047、BS8479、ASTMD3939
Downproof	GB/T12705 、GB/T 14272、 EN 12132、ISO 6330
Color fastness to rubbing	GB/T3920、AATCC 8、ISO 105 X12、 ASTM D2054、JIS L0849
Color fastness to sunlight	GB/T8427、AATCC-16(3)、 ISO 105-B02、ASTM D6544
Other color fastness items	GB/T、FZ/T、ISO、EN、JISL、AATCC、 ASTM、CAN、AS
Flammability	GB/T5455、FZ/T01028、ISO 3795、 GB 8410、ASTM D5132