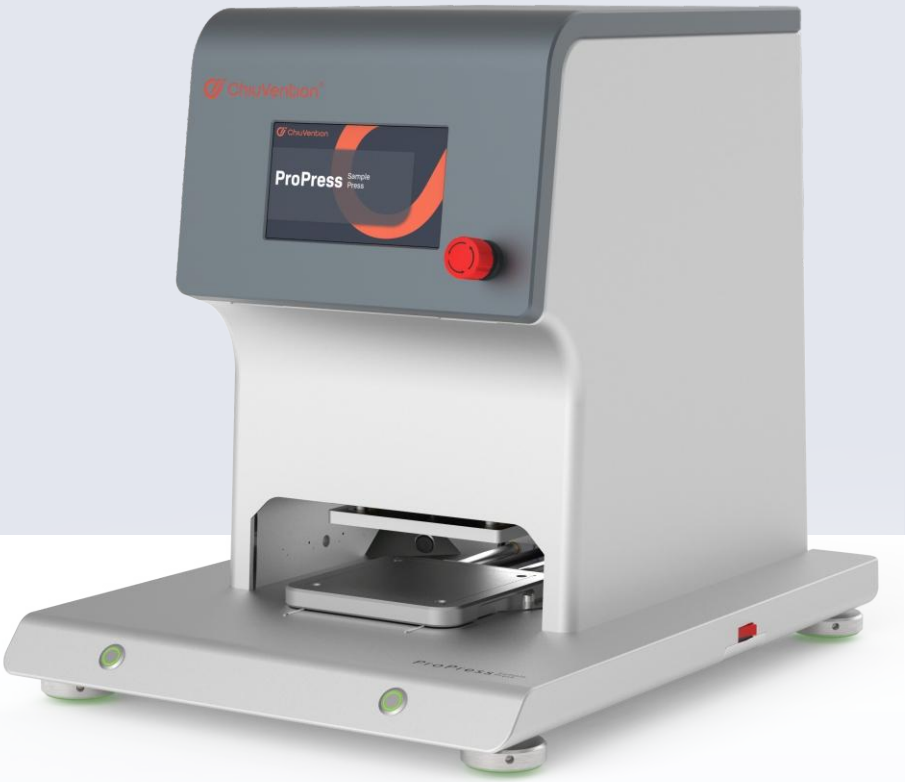
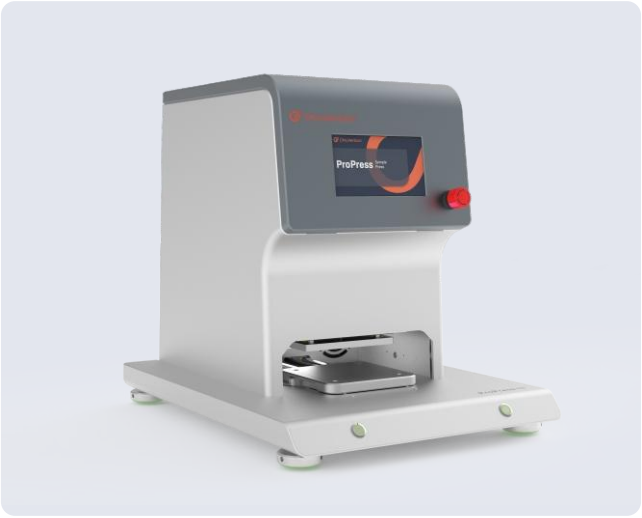


ProPress
Sample Press

The ProPress is fully automatic. It punches and cuts the sample to be tested into 5x5mm pieces in under 8 seconds. It can cut and punch multiple layers of fabric at once. The ProPress is for cutting test samples from textiles, yarns, leathers, and plastics. The samples are used for tests of formaldehyde, pH, azo, heavy metals, and more. Stable operation, precise and fast cutting, highly consistent samples for reliable test results. Sample preparation is faster, saving more than 80% of sample preparation time for laboratories. Customizable knife die for punching and cutting different samples;Servo drive, quiet and friendly. Simple installation, no gas source and oil pressure can be used on site. Small size, can be directly placed on the worktable.

ProPress
Sample Press



- **More accurate sample preparation, for more reliable test results.**

  Traditional manual cutting of samples can easily lead to large differences in sample shape and size, which can cause insufficient dissolution, thus affecting the reliability of the test ; ProPress cuts samples by pressing, which is precise and fast, and the highly consistent samples make the test results of formaldehyde, pH value, etc. more reliable.

- **Faster sample preparation, saving more than 80% of time.**

  The ProPress presses samples in 8 seconds per operation, compared to at least 60 seconds for manual cutting, making it valuable for large-scale testing labs that prepare large number of test samples every day.

- **Ensures the quality of samples throughout the whole process.**

  The ProPress is equipped with a self-cleaning system that blows air to clean all kinds of fiber debris generated during the cutting process, and a built-in high-definition camera (2 megapixel, 1920x1080 resolution) used for observing the cleaning and ensures that there is no mixing between samples.

- **Customized dies are available for punching samples of different sizes.**

  Different shapes and sizes of samples (≤80*80 mm) can be punched, and the customizable die can be 4mm ≤ diameter ≤113mm.

- **Anti-static design, reducing the adsorbing of samples.**

  The ProPress has an anti-static design to ensure that samples will not be adsorbed on the machine during the punching process.

Power
220V 5A /110V 10A 50/60Hz 1200W

Weight
Net weight 100kg
Gross weight 126kg

Dimension
Net size 600*450*530 mm (L*W*H)
Packing size 740*550*740 mm (L*W*H)

The Specification

Machine	1.CV.518.01 CV518 ProPress Sample Press
Press thickness	0.1mm*4mm
Press pressure	5T (adjustable force as 1T, 2T, 3T, 4T, 5T , to improve the service life of the cutter)

Standard accessories (mode and dimensions)

Matting	4.M.011 129 mm*129 mm*6 mm	6pcs
Die	2.Z.CV518.01 5 mm *5 mm (Press area 100mm*100mm)	1pc
Pallet	2.Z.CV518.03 160 mm*160 mm*16 mm	2pcs

Optional accessories (mode and dimensions)

Die	2.Z.CV518.02 3 mm *3 mm (Press area 80mm*80mm)
Hoover	7.XCQ.001 220V 1200W
Hoover	7.XCQ.002 110V 1200W

Other customized dies dimensions limits: max. diameter 113 mm, min. diameter 4 mm.

Wear parts and consumables

Matting	4.M.011 129 mm*129 mm*6 mm (Forward and reverse sides are available)
Die	2.Z.CV518.01 5 mm *5mm (Press area 100mm*100mm or customized dimensions)

Installation conditions

Equipped with a socket 220V or 110V, compressed air (or not), work surface area of not less than 700mmx1000mm

Applicable Tests and Standards

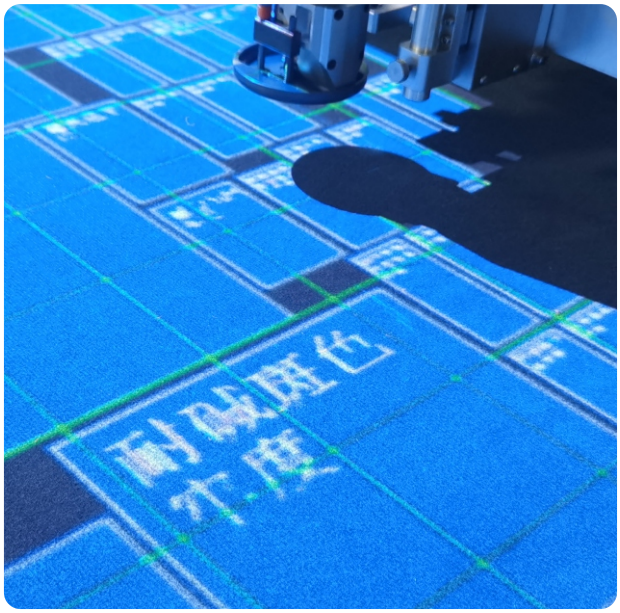
pH test	ISO 3071 GB/T 7573
Formaldehyde	ISO 14184.1 GB/T 2912.1
Heavy metal	GB/T 17593.1/2/3
Azo	FZ/T 01133 GB/T 17592

SmartCut
Fabric Sample Cutting System

The SmartCut can complete the sampling of fabrics within 3 minutes.
It has smart sample-cutting software. Users can select various cutting patterns and sizes based on project or test standards. These can be saved as a template for easy future access. 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.

SmartCut

Fabric Sample Cutting System



- **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.

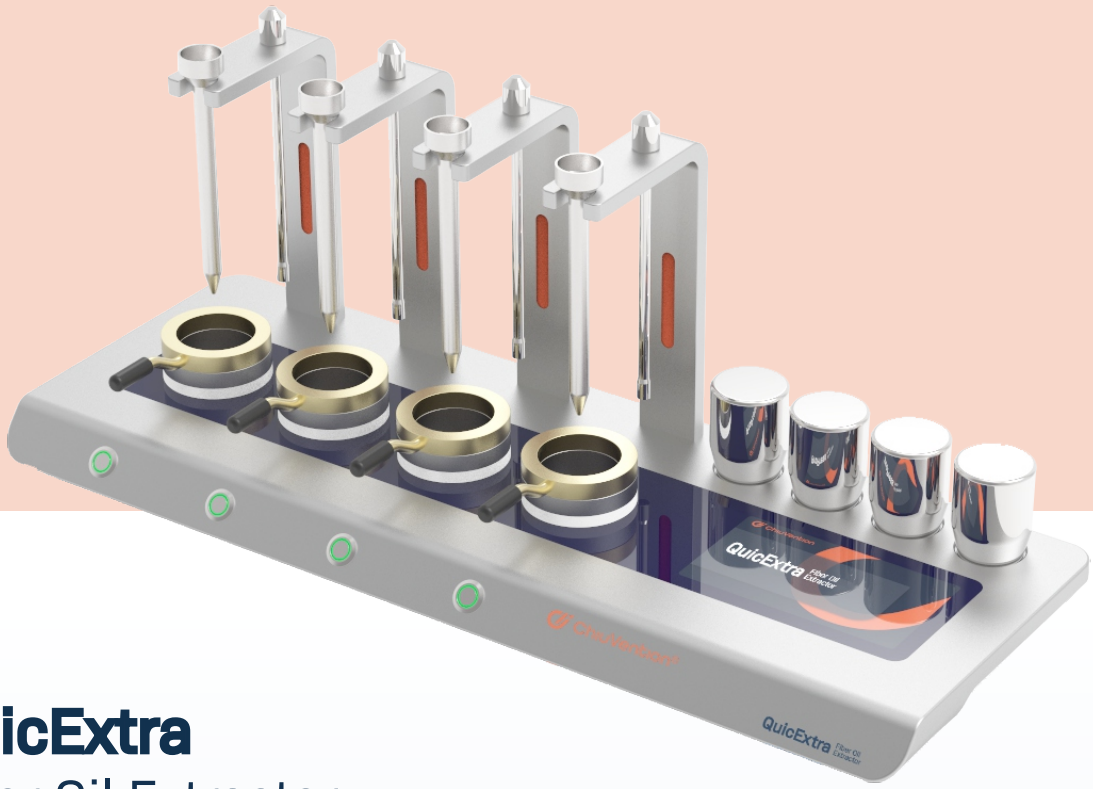
The Specification

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

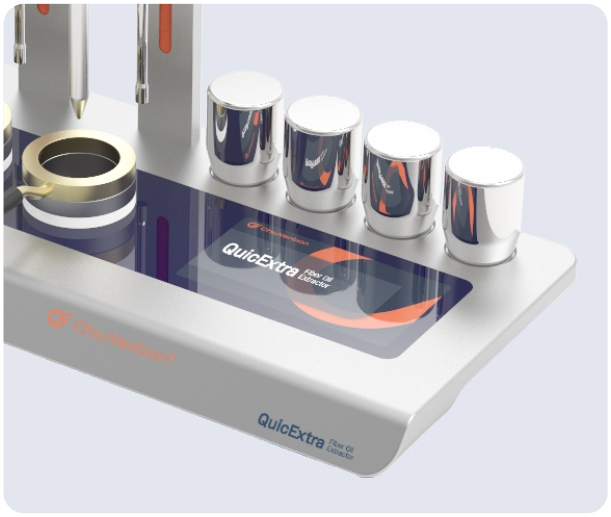


QuicExtra

Fiber Oil Extractor

The QuicExtra Fiber Oil Extractor,uses the principle of solvent (e.g. petroleum ether, ether or other organic solvents) penetration and evaporation to dissolve the oils and fats in the textile fibers, thus detecting the oils and fats content of wool and synthetics samples.The 4-station design allows for fast and thorough extraction of oils and fats in less than 10 minutes, and the oil content is automatically calculated and the data will be uploaded to the system after confirmation.

QuicExtra
Fiber Oil Extractor



- **Fast extraction, high efficiency and labor saving**
  QuicExtra is based on the principle of automatic weight pressurization. It uses weights, so manual pressure is not needed. Each of the 4 stations has its own operation buttons. They complete the extraction of fiber oils and fats in less than 10 minutes.

- **Thorough extraction and more accurately testing.**
  Adopting microcomputer temperature control, with good temperature uniformity. It ensures that the oil is extracted thoroughly and the test results are more accurate.

- **Get the weight with one-click, calculate the oil content automatically and upload it.**
  Each working station is timed independently and the timing can be reminded by APP. With an optional smart balance, the weight of the sample and oil content can be obtained from the operation screen with one-click (if not equipped, the weight can be input manually), then the oil content can be calculated automatically and uploaded to the instrument system after confirmation.

Power
220V 50HZ

Weight
20kg

Dimension
720*255*290 mm (L*W*H)

The Specification of QuicExtra Fiber Oil Extractor

Quantity of workstations	4 workstations
Pressurization mode	heavy weight
Timing range	0-99min LED display
Temperature range of heating board	90°C-120°C LED display
Temperature control precision	±1°C
Applicable extraction solvents	petroleum ether, ethyl ether, dichloromethane, etc

Standard
GB/T 6504-2017

InfraDye
Infrared Lab Dyeing Machine

The InfraDye quickly makes stained samples at a lower cost. It works by infrared heating principle. A smart temp control algorithm and a multi-cup design enable it to dye multiple solutions at once. It is stable, durable, and quiet. It has a temp calibration function and multiple safety protections. High quality components, durable.

InfraDye
Infrared Lab Dyeing Machine

- **Smart temperature control algorithm**
  Achieving different test temperatures, suitable for all kinds of dyeing with room temperature and high temperature.
- **Multiple dyeing solutions**
  Can be realized at one time: different specimens can be dyed in different cups.
- **User-friendly, convenient and efficient**
  Microcomputer control, simple operation, automatically retain the current data in case of power failure, the running process can be edited, and the buzzer automatically alerts after the test is completed.
- **Stable, durable and noiseless**
  The transmission mechanism is upgraded to rotary opera tion, which is more stable, more durable and noiseless.
- **Multiple safety protection**
  Such as over-temperature alarm function and automatic stop of rotating cup holder when the door is mistakenly opened.
- **Temperature calibration function**
  Can avoid the temperature differences caused by the aging of the probe.
- **Smart Sample Dyeing Machine**
  The instrument connects to the SmarTexLab APP via IoT on a smartphone or computer. It then connects to ERP/LIMS through an API. The instrument can also connect directly to ERP/LIMS. The sample information can be read by scanning the code. The operator can remotely monitor the status of sample dyeing. You can use online chat to get quick support from ChiuVention customer service. Also, receive reminders to calibrate, maintain, and replace consumables on the instrument. Lastly, perform OTA remote upgrades regularly.

- **Longer service life**
  Solid state relay control electric heating, no mechanical contact, long service life. The mechanical shell is made of stainless steel powder coating process, the mechanical interior is made of high quality SUS304 stainless steel, and the dyeing cup is made of SUS316, which is durable.

Power
230V/50Hz 32A

Weight
145kg

Dimension
710*840*750mm(D*W*H)

Specifications

Test temperature range room temperature	0°C ~ 140 °C
Temperature control range room temperature	25 °C ~ 140 °C
Heating temperature control speed	0.1 °C / min ~3 °C / min
Temperature control accuracy Isothermal state	± 0.5°C/min
Temperature control mode	optimized automatic control
Rotational speed	0 ~ 50 rpm (adjustable)

Accessories

test cup volume	300±20ml 24pcs
T-socket wrench	1 pc
stainless steel copy wrench	1 pc
Fuse	4 pcs
Gloves	1 pc

Optional Accessories
Heating tube

SmartDispen

Detergent Dispenser

The SmartDispen is a sample preparation device for soaping washing color fastness testing, which greatly improves the accuracy and efficiency of testing. It weighs soap flakes and dispenses water, then heats and stirs. And dispenses soap based on the sample bath ratio. Finally, it outputs a set number of steel beads. This prepares the soap for color fastness testing in one step. This reduces manual error and makes the test more reliable. The three-station design can prepare three different samples at once.

SmartDispen
Detergent Dispenser

Power
220V 50HZ

Weight
70kg

Dimension
610*510*530 mm (L*W*H)

The Specification of SmartDispen

Balance	weighing limit 600g, accuracy ± 0.01g
Soap tank	working volume 5000ml * 3
Single pumping volume of soap	2.5~1000ml
Liquid output accuracy	1ml±5%
Soap pumping speed	≤ 28ml /s (with steel balls)
Temperature control range	0~60°C，precision ±1°C
Grade of water	Tertiary water (purity)

- **Three stations can be operated independently to dispense different soaps.**
  The three stations can be independently temperature controlled and they can dispense soap separately, so the sample preparation for washing color fastness testing can be completed within minutes. This greatly improves the efficiency of sample preparation and allows the textile laboratory to perform more wash color fastness tests per day.

- **More reliable testing**
  High-precision balance for automatic weighing, automatic soap dispensing according to the strict bath ratio, and fully automatic soap flake stirring and dispensing, as well as precise temperature control and ball counting, all make sample preparation more accurate and testing more reliable.

- **Smart Sample Preparation Device**
  The instrument connects to the SmarTexLab APP via IoT on a smartphone or computer. It then connects to ERP/LIMS through an API. The instrument can also connect directly to ERP/LIMS. Sample orders and standards can be sent to the instrument. The sample information can be read by scanning the code. The operator can remotely monitor the status of sample preparation. You can use online chat to get quick support from ChiuVention customer service. Also, receive reminders to calibrate, maintain, and replace consumables on the instrument. Lastly, perform OTA remote upgrades regularly.