

Technical Information

Model	The Studio
Weaving Width	500 mm
Speed	150 ppm maximum
Controller	Industrial PC / Windows OS Solid-State Drive (SSD) / Internet access via WiFi/Ethernet
Weft Selector	12 colours electronic weft selection device
Weft Creel	Stand-alone weft creel
Fabric Take-up	Electronically controlled Weft density can be changed freely within the same weave
Warp Let-off	Positive electronically controlled Warp tension could be displayed and set through the computer
Shedding	Computerized controlled Maximum 24 heald frames driven by servo-motor. Adjustable Shedding
Draw-in	Heald frames can be separated from the loom for healds and reeds draw-in
Weft Insertion	Single rapier weft insertion driven by servo-motor Speed could be controlled independently through the computer
Beat-up	Computerized servo-motor controlled. Beat-up could be achieved in different positions
Weft Breaks	Electronic weft-break detecting device Loom stops when weft breaks
Warp Breaks	Warp-break detecting device. Loom stops when warp breaks (Optional)
Designing	Built-in SEdit editing software
Air Consumption	50 L/min., air pressure 5-7 kgf/cm ²
Power	220 V, 3-phase, 50-60 Hz



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* CCI has a policy of continuous product development and may make changes in the specification or appearance of the equipment without notice.

* Other product and company names mentioned herein may be trademarks or tradenames of their respective owners.

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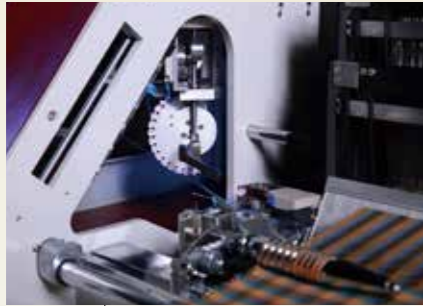
the studio Premium Loom

While the supply of raw materials and natural resources are inadequate to meet the world's demand, which leads to the dramatic increase in costs for the textile industries. With the severe competitions from within the same field worldwide, the textile companies today are facing the most hostile business environments ever. The only way out is to improve own core competence through delivering innovative products. To develop a systematic way to produce innovative products, which in return gives competitive advantages in the long term, has now become a hot topic amongst the textile entrepreneurs.

CCI has developed a series of sampling solutions which have now been adopted by many weavers all over the world. The Studio could accommodate more heald frames and handle more weft colours. A fully automatic loom with simpler operations is suitable for a wider range of yarn which results in improved weaving capabilities. This will bring to all weavers a fresh experience in sampling with increased efficiency.



FEATURES



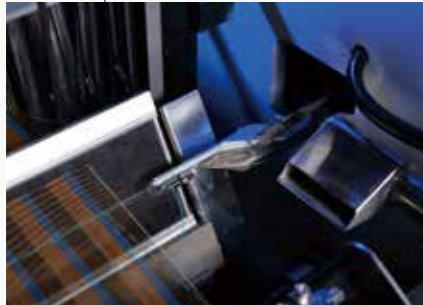
Weft Selection Device

The latest weft selection device consists of a motorized selection rod and a circular weft plate driven by a stepping motor. This revolutionary design can handle up to maximum 12 weft colours.



Shedding Device

The new shedding device is driven directly by servo-motor which provides a powerful heart for this new generation sampling loom. It gives higher speed and adjustable sheddings. Further, it could accommodate up to 24 heald frames for complex weaves and can withstand higher warp tension..



Weft Insertion

Weft insertion is driven independently by servo-motor and utilizes the most versatile rigid rapier type. Its modular design allows ease in maintenance and provides convenient adjustments through the computer directly.



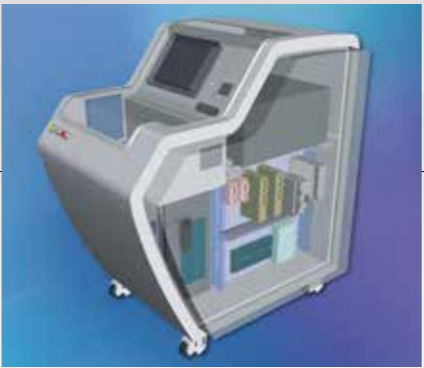
Beat-up Device

The beat-up device is controlled independently by servo-motor. It generates strong and accurate beat-up which is important for achieving perfect weaving effects. Speed, time and position are all computerized resulting in the highest flexibility.



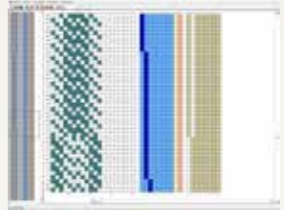
Electronic Take-up and Let-off System

Warp tension could be displayed and set through the computer on this electronic take-up and let-off system. Variable weft densities could be obtained during weaving. It gives the simplest settings and operations.



Industrial Grade Components and Internet Connection

Electrical circuits are made up of industrial grade components including industrial motherboard and anti-vibration & low energy consumption SSD solid-state hard disk. The machine could also link up with Ethernet and Internet.



Dobbytronic

The user friendly interface of the Dobbytronic is specially designed for use with the touch screen and provides an easy platform for inputting weaving parameters. The status of the loom is clearly displayed through icons and text.

SEdit

The built-in SEdit is a convenient editing software. The editing of designs, weft & warp arrangements can be done on loom or on any separate PC.

Dr. Studio

It's a built-in software and is a powerful tool for diagnosing problems on mechanical parts of the loom. It helps operators to carry out different testing and is a helpful tool for daily routine maintenance.

