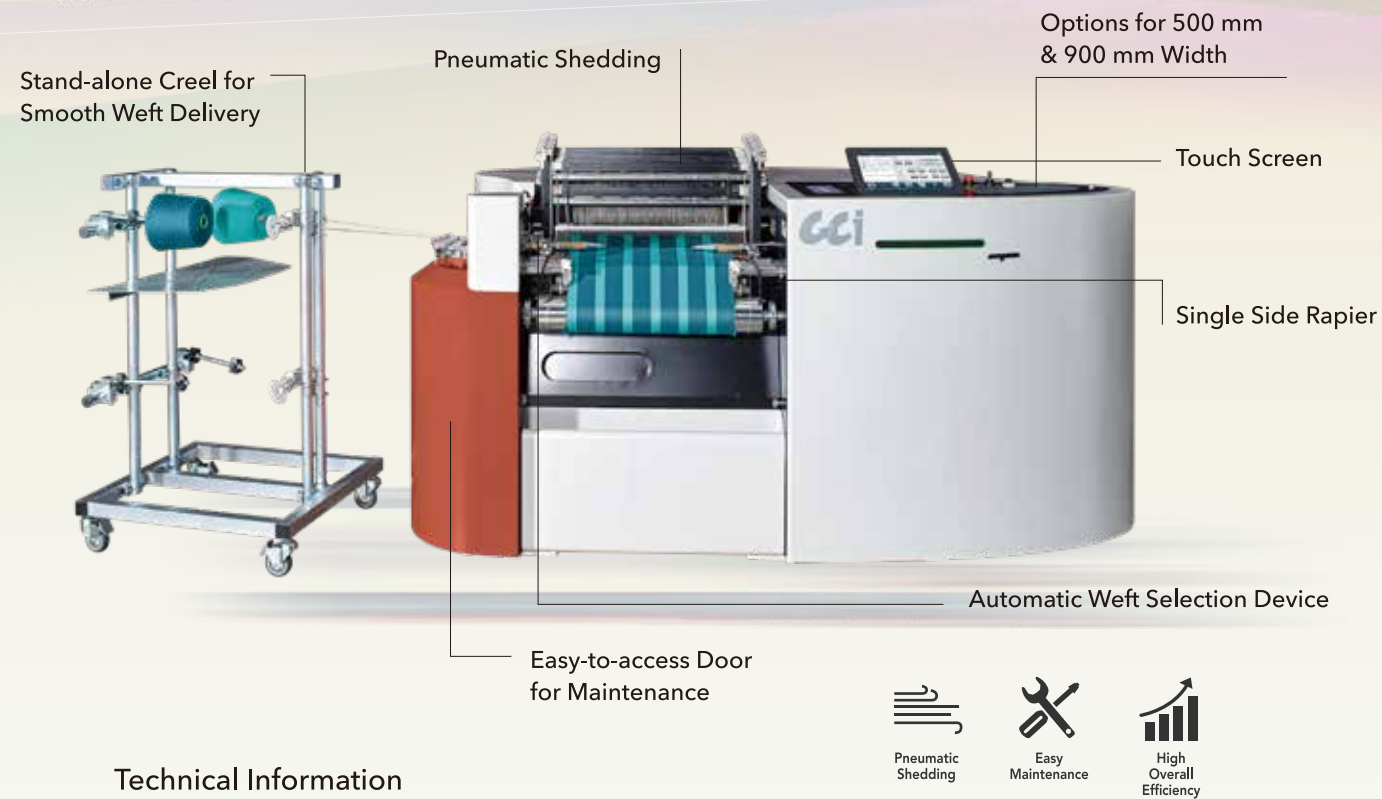


evergreen II

Sampling Loom



Technical Information

| Model | Evergreen II |
|-----------------|--|
| Weaving Width | 500 mm / 900 mm |
| Speed | 100 ppm maximum |
| Controller | Industrial PC / Windows OS Solid-State Drive (SSD) / Internet access via WiFi/Ethernet |
| Weft Selector | 8 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. Digital display of warp tension Optional second & third beam assembly available |
| Shedding | Computerized controller 20 heald frames driven pneumatically by air cylinders (1st & 2nd heald frames are for lenos and selvages). Optional up to maximum 24 heald frames |
| Drawing-in | Heald frames can be separated from the loom for healds and reeds drawing-in |
| Weft Insertion | Single rapier weft insertion driven by servo-motor Speed could be controlled independently through the computer |
| Beat-up | Computer controlled driven independently by servo-motor Positions and quantity of beat up could be adjusted |
| Weft Breaks | Equipped with weft-break detecting device. Loom stops when weft breaks |
| Warp Breaks | Optional warp stop device is available |
| Designing | Built-in SEdit editing software |
| Air Consumption | 2000 L/min. (500 mm width), 3000 L/min. (900 mm width), air pressure 5-7 kgf/cm ² |
| Power | 220 V, single phase (500 mm width) / 3-phase (900 mm width), 50-60 Hz |

The latest update to sampling loom product family, Evergreen II, includes all the features of the previous model Evergreen. The completeness of Evergreen II enables a large increase in weaving speed and improved accuracy in operations, thereby maximizing the overall productivity for textile applications. The improvement meets the requirements of superb operation for sampling while takes extensive yarn types into consideration. It ensures high degree of accurate motions to have better handling of various yarn kinds, thus is capable of producing a wide array of woven samples from upholstery, apparel to industrial fabrics etc.

This new machine has a new exterior design which not only conveys the spirit of the brand new version, but also has a better mechanism configuration to support higher performance. The upgraded version Evergreen II is equipped with a few new features and still remains advantage of extreme space efficiency for small scale environments, with users making full use of the machine to work in a more effective way and get into the market easier and faster.

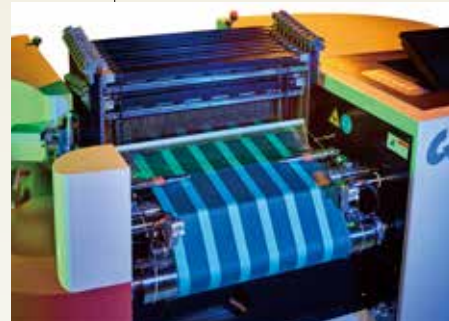
Evergreen II 500



Evergreen II 900



FEATURES



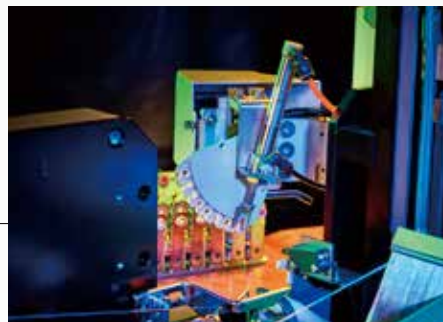
Shedding Device

The device could be installed with maximum 24 shafts and with higher speed resulting in higher efficiency. To cope with higher speed, we install and upgrade the buffer system to ensure more smooth and stable movement. It provides ease in operation and maintenance as usual.



Digital Warp Tension Control System

The system provides stable warp tension during weaving. The tension value could be set and read from the computer directly, which simplifies the recording of the weaving parameters.

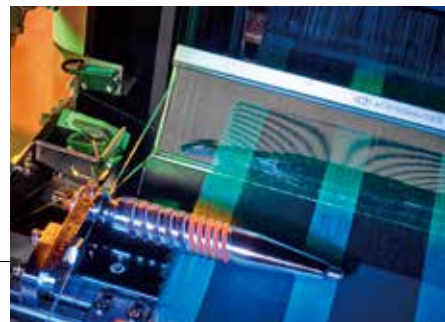


Weft Selection Device

The device allows convenience in weaving multi weft-colour samples. It can achieve complicated weft colour arrangements effectively and accurately.

Weft Insertion Device

The device on this loom is of single side rapier design, which is easier in adjustment and is suitable for a wider range of yarn. This design ensures higher speed and better stability during running.



Self-diagnostic Function

The function checks the status of internal devices in real time. If an error occurs, the cause of the problem will be displayed on screen so the user can easily identify the problem and possible solution.



Dobbytronic

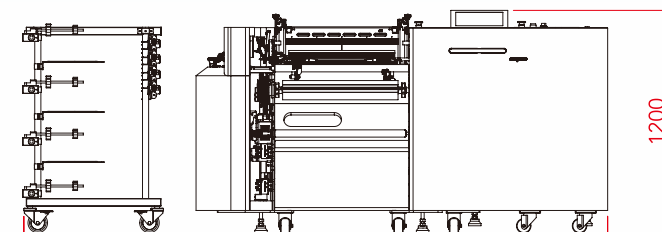
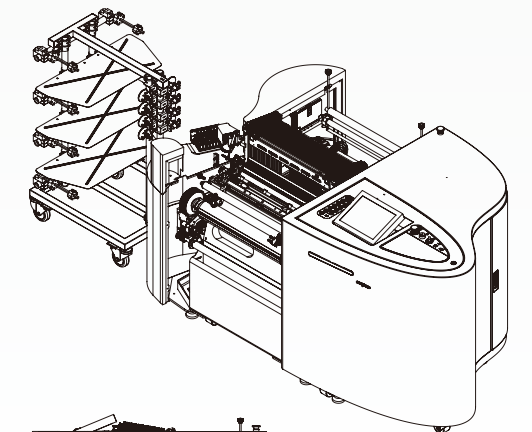
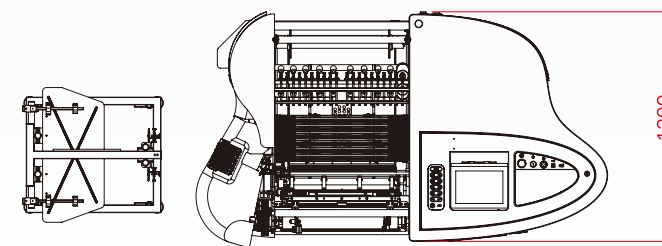
The user friendly interface of the Dobbytronic is specially designed for use with the touch screen and provides an easy platform for inputting weaving parameters. The status of the loom is clearly displayed through icons and text.

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. SL

Dr. SL is a useful built-in diagnostic software. It carries out inspection and testing of movements of the electrical & pneumatic parts as well as signals of the sensors. Diagnosis could be performed on loom or by remote access through the internet.



3050 Evergreen II 500
3450 Evergreen II 900