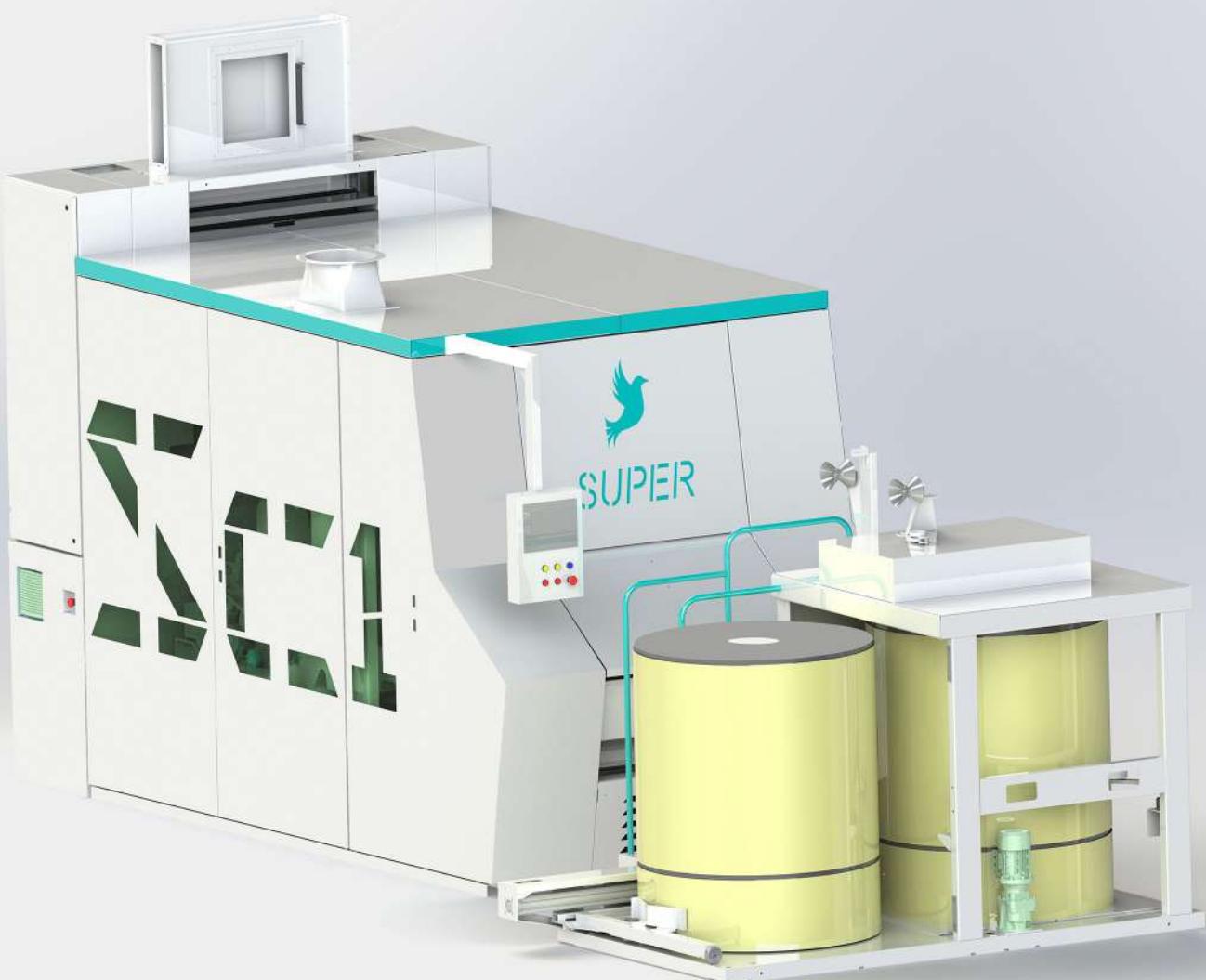




SUPER CARD SC1

with Auto Leveller



**SUSTAINING
QUALITY AND PRODUCTION**



INTEGRATED CHUTE FEEDER - SCF 01

The upper chute feeder adopts four-sided exhaust structure for large storage and stable supply.

Feed rollers and opening rollers cover are easy to open for convenient maintenance.

New sealing structure is adopted on the both ends of feeding roller and opening roller to effectively prevent cotton blocking.

Feeding plate is pressurized by spring so the fiber is hold elastically. Gauge between feeding plate and feeding roller is automatically adjusted according to the layer thickness.

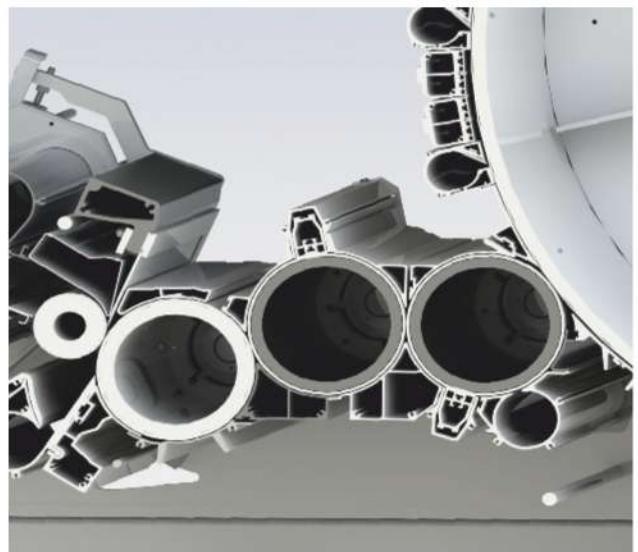
Double -sided breathable barrier is adopted by the lower chute feeder for air discharge to ensure the output uniformity of layer.



LICKER-IN ZONE



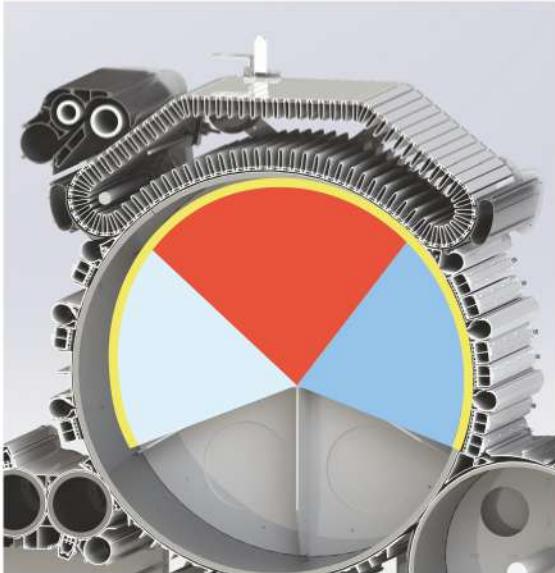
Super Card SC1/1 - Single Licker-in



Super Card SC1/3 - Triple Licker-in

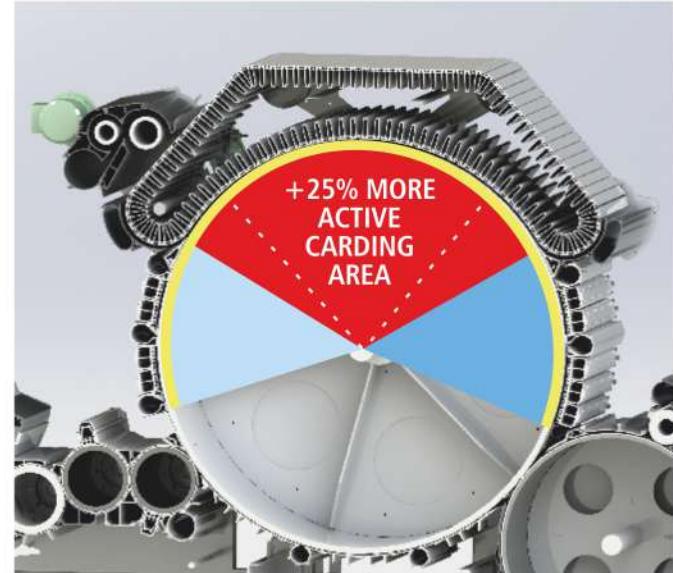
- The licker-in is equipped with specialized mote knives and carding segments that efficiently remove impurities, dirt and short staple fibers from the material.
- Unique larger licker-in diameter for better quality.
- Specially profiled arcual combing segment.

CARDING SYSTEM WITH HIGH CAPACITY AND EFFICIENCY



EXISTING EUROPEAN CARD WORKING AREA

No of revolving Flats (working/total) - 28/84

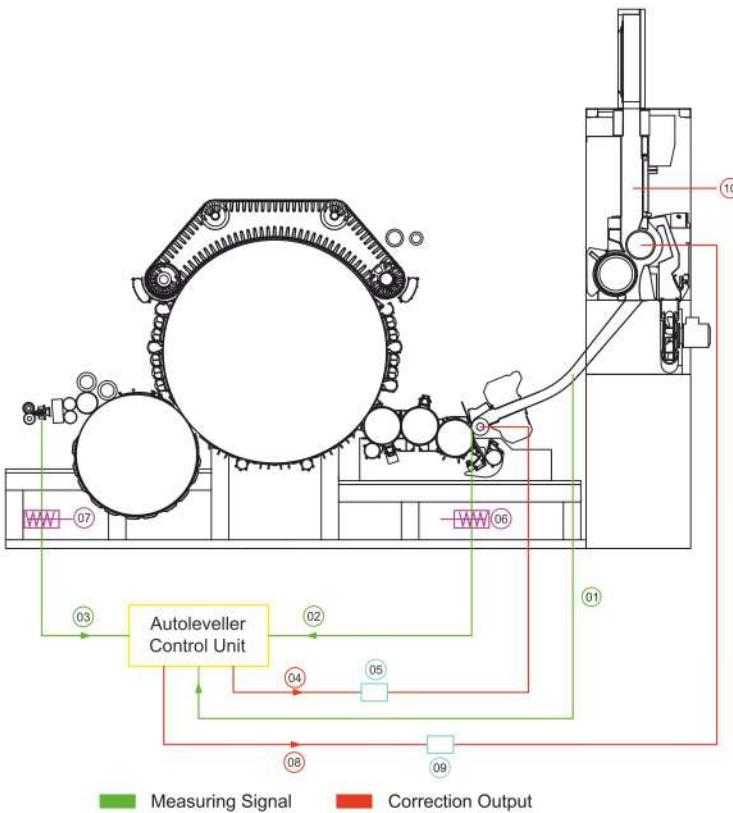


SUPER CARD SC1 - INCREASED WORKING AREA

No of revolving Flats (working/total) - 37/104



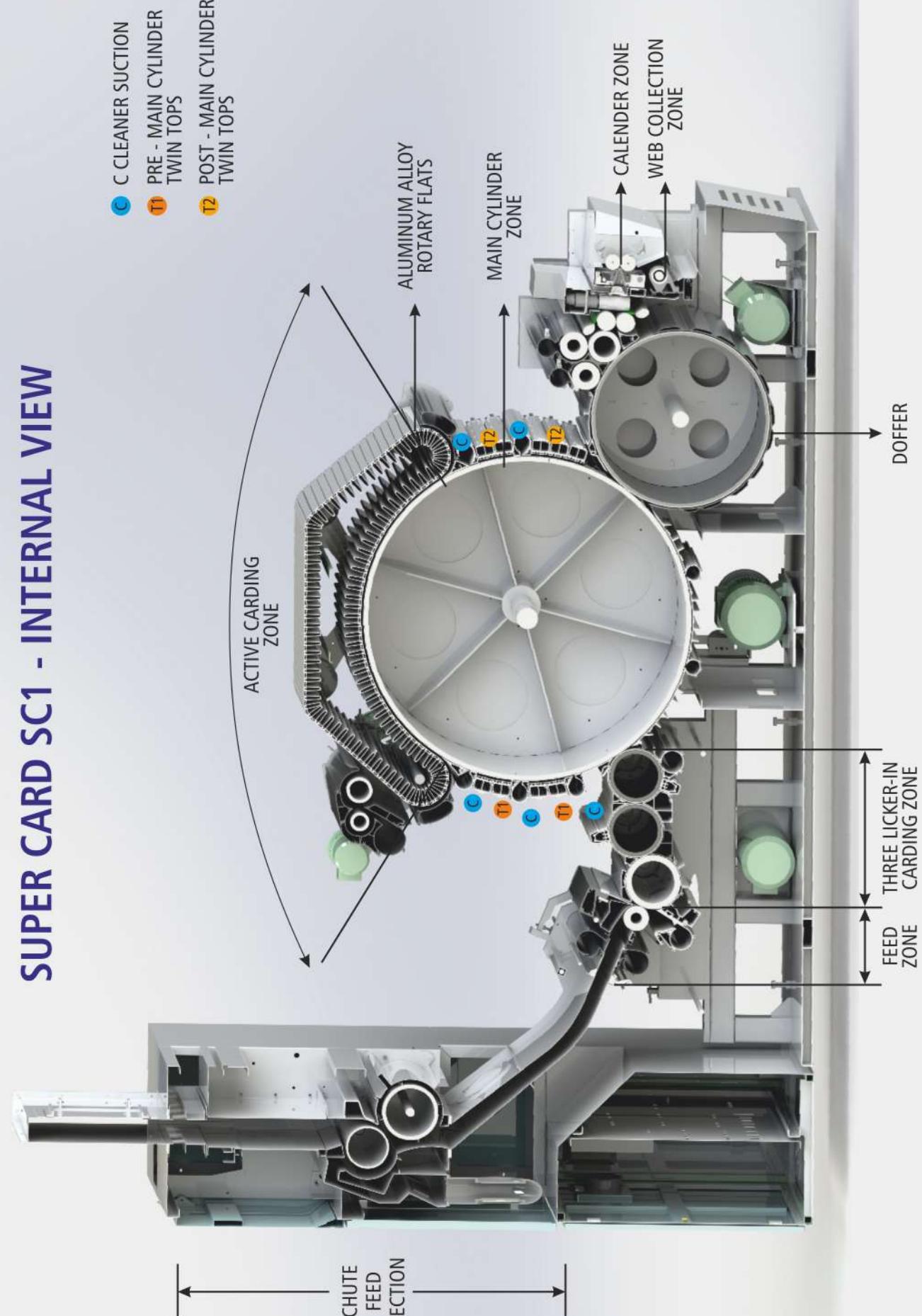
SUPER SC1 - AUTOLEVELLING CONCEPT



"Super Card SC1 features a sophisticated autolevelling system that accommodates both short-term and long-term adjustments, providing flexibility and precision in fibre processing. This capability ensures consistent yarn quality, minimizes waste and optimizes production efficiency."

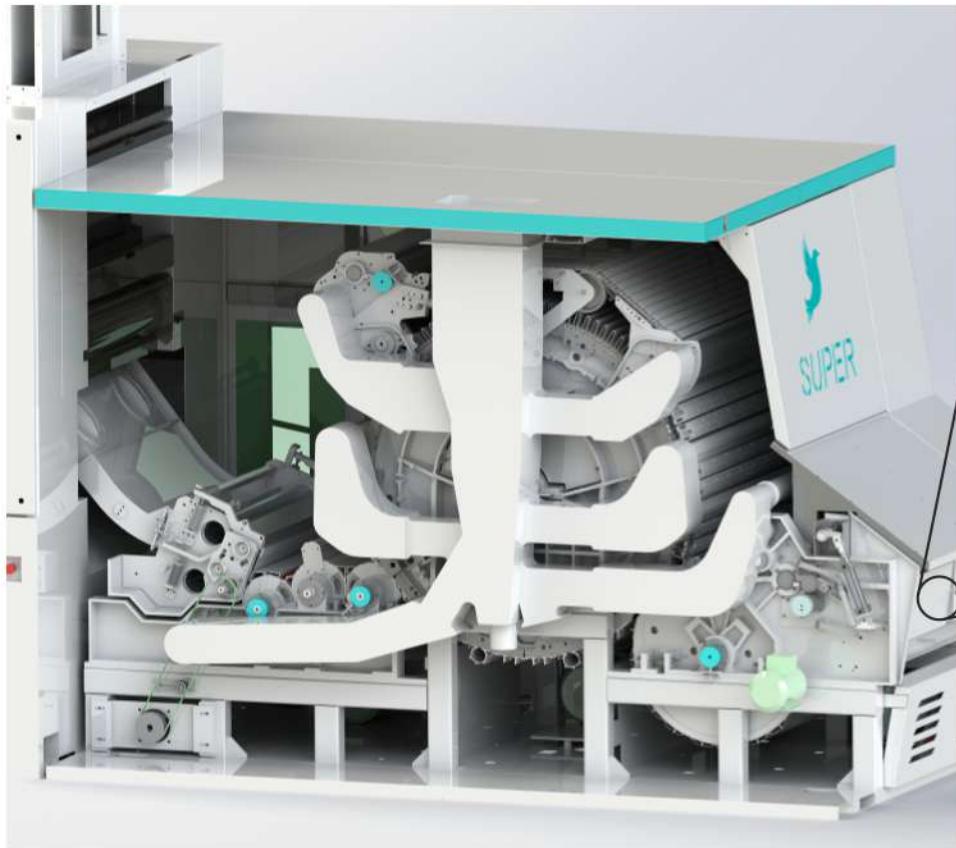
- ① Detect Chute Pressure
- ② Detect Feed weight
- ③ Detect Sliver Delivery
- ④ Correct Feed Roller
- ⑤ Feed Roller Controller
- ⑥ Short term Control Sensor
- ⑦ Long tern Control Sensor
- ⑧ Correct Chute Feed Roller
- ⑨ Chute Feed Roller Controller
- ⑩ PID Controll to material supply pressure in blowroom

SUPER CARD SCI - INTERNAL VIEW





EXPANDED WASTE COLLECTION SYSTEM FOR MORE EFFICIENT TRASH REMOVAL (EWCS)



**WEB COLLECTION ZONE
WASTE SEPARATION
SYSTEM**

COILER WITH SLIVER CUTTER AND LINEAR CAN CHANGER - SCL 01

EFFICIENT SLIVER CUTTING - DURING DOFF

Doffer speed is stabilized during cutting sliver therefore the sliver weight is stable during can-changing, avoiding materials waste.

SAVING OCCUPIED AREA - SCL 01

Simplified structure, easy to maintain and small floor space.

INDEPENDENT MOTOR DRIVE

Driving by independent motor drive to ensure sliver delivery more stable.



SUPER CARD SC1 - TECHNICAL DATA

MATERIAL PROCESSING SPECIFICATION	SUPER CARD SC 1/3	SUPER CARD SC 1/1
RAW MATERIAL	COTTON	COTTON / SYNTHETIC
Raw material (staple length)	22-44 mm	22-51 mm
Feed weight	340-600 gm / mts	340-600 gm / mts
Feed stock width	905mm	905mm
Sliver weight	3.5-8.0 gm / mts (0.17 to 0.075 Ne)	3.5-8.0 gm / mts (0.17 to 0.075 Ne)
Production rate	up to 200kg	up to 200kg
Card type	lap or chute feed configuration	lap or chute feed configuration
TECHNICAL SPECIFICATION		
Delivery Speed	up to 380 mtr/min	up to 380 mtr/min
Cylinder Speed	up to 550 rpm	up to 550 rpm
Cylinder Diameter	1280 mm	1280 mm
Doffer diameter	680 mm	680 mm
LICKER-IN DIA	215 mm x 3	250 mm
Licker-in speed	660-1400rpm	650-1300rpm
Flat speed	130 mm to 400 mm/min	130 mm to 400 mm/min
No of revolving Flats (working/total)	37-104	37-104
No of Stationary Flats for cotton applications (Dependent on application)	12 front + 6 strips maximum	12 front + 6 strips maximum (Dependent on application)
No of Stationary flats for synthetic applications (Dependent on application)	10 front + 8 strips maximum	16 front + 12 strips maximum (Dependent on application)
Auto Levelling Systems	Short & Long term	Short & Long term
Coiler and Automatic can changer	Linear type with Automatic can changer 24 inch and 40 inch.	Linear type with Automatic can changer 24 inch and 40 inch.
Installed Electrical power	10.42kw	12.72kw
Extraction volume	3.700m3/h	4,200m3/h
Extraction pressure	850 Pa	850 Pa
compressed air consumption	0.12m3/h	0.12m3/h
Compressed air pressure	6 to 7 bar	6 to 7 bar
MACHINE SPECIFICATION		
Working width	1000mm, 1290mm (optional)	1000mm, 1290mm (optional)
Card Length (without coiler)	4032mm	4032mm
Card Width (without coiler)	2040mm	2040mm
Card Height (Inclusive of chute Feed)	3095mm	3095mm

SUPER CARD SC1 FLOOR PLAN



Our Logo epitomizes our working culture

* The white Dove represents peace and harmony in the industry

* The green background represents a clean and healthy environment

Super Machine Works Private Limited.,

100, Athipalayam Road, Chinnavedampatti
Coimbatore - 641 049. Tamil Nadu, India

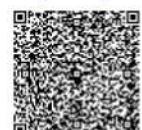
Phone : +91 422 2666786, 4274332
Mobile : +91 99429 09628, 99429 09629

E-mail : info@supergroupscbe.com
sales@supergroupscbe.com

Spares : spares@supergroupscbe.com

Website : www.supergroupscbe.com

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