

Blow Room Machine Manufacturers For Spinning Mills

- 6 Variants of Cottomatic® Rotary Bale pluckers to specifically suit the production capacity, space and types of fibres used.

High capacity condensers with energy saving motors.

Cottomatic® Rotary Bale Plucker In a spinning mill

ISO
9001:2015

CERTIFIED
COMPANY

SINCE
1995

TEXTILE MACHINE
MANUFACTURERS



MADE IN COIMBATORE

Cottomatic®

Rotary Bale Pluckers

Cottomatic® Cotton Line

Key Features

The Cottomatic original line up of models is designed specifically to processing Cotton fibre in both its bale and loose form.

- Lower cost option with Mild Steel beater blades and frames.
- PLC with AC Drive and basic safety sensors.
- Magnet bar included to pick up metal dust.
- Shorter machine that can handle cotton bales (3.5 ft height).

Cottomatic®	C 10RBO 23RBO 35		
Fibres Recommended	Cotton		
Production Output	200-250 Kgs/Hr	450-500 Kgs/Hr	500-650 Kgs/Hr
Loading Capacity @ 170Kg/bale	10 Bales	23 Bales	35 Bales
Beater Working Width	1200 MM	1610 MM	2375 MM
Max Bale Loading Height	900 MM		
Space Requirement	16 Ft x 16 Ft	22 Ft x 22 Ft	25 Ft x 25 Ft
Carriage Motor	0.5 HP	1 HP	1.5 HP
Beater Up-Down Motor	0.5 HP	1 HP	
Beater motor	2 HP	5HP	
Magnet Bar	'2,000 Gauss' Magnet strip		
Slip Ring Specification	8 Ring Slip Ring (2 rings available for other signals)		
Proximity sensors	Beater up & down motions, Beater lowering after every full carriage rotation, Duct door open & close		
Photo Sensors	Obstruction detection in front of carriage wheel		
Materials	Mild Steel beater blades, Frames and Galvanised Iron sheet for ducts		

Rotary Bale plucker rotates in clockwise direction plucking fibres as it moves in its path. After every rotation the beater lowers and continues to pluck fibres until the lot is depleted. With a **multitude of sensors** built in, the machine is made to be as safe as possible. **Energy efficient motors** specifically

suited for textile applications are used in construction to keep the electricity consumption low. Return on investment when switching from a manual bale opener to a bale plucker is less than 6 Months when considering the electricity and labour saving alone.

Cottomatic® VC Line

VC line of Rotary Bale pluckers have been developed, tested rigorously and perfected exclusively for processing several man-made fibres used in the industry.

Key Features

- Higher Torque motor for the beater, increased beater blade size to support plucking tougher Man-made fibres.
- Taller machine for larger man-made fibre bales (5.15 ft).
- Electrical panel board with HMI, AC drive, Digital display.
- Increased structural strength of the machine for additional rigidity and support.

Cottomatic®	VC 10		VC 40	VC 50
Fibres Recommended	Polyester, Viscose, Cotton, Bamboo, Modal, Micro Modal, Tensil, etc.			
Production Output	200-250 Kgs/Hr	400-550 Kgs/Hr	650-670 Kgs/Hr	
Loading Capacity	7 Viscose / 4 Polyester Bales	23 Viscose / 15 Polyester Bales	35 Viscose / 20 Polyester Bales	
Working Width	1200 MM	1610 MM	2375 MM	
Working Height	1175MM			
Bale Loading Height Limit	1350 MM			
Space Requirement	16 Ft x 16 Ft	22 Ft x 22 Ft	25 Ft x 25 Ft	
Carriage Motor	0.5 HP	1 HP	1.5 HP	
Beater Up-Down Motor	0.5 HP	1 HP		
Beater motor	2 HP	5HP		
Magnet Bar	‘2,000 Gauss’ Magnet strip			
Control Panel Details	PLC with AC drive (Carriage Motor) & HMI Panel			
Pressure Sensor	Pressure gauge & Siren to sound when pressure drops below 200 pa			
Proximity sensors	Beater up & down motions, Beater lowering after every full carriage rotation, Duct door open & close, Beater safety sensor Beam for human/large obstruction			
Photo Sensors	Obstruction detection in front of carriage wheel, Material Flow Sensor in the duct			
Materials	Stainless Steel beater blades, Stainless Steel sheet for ducts Strengthened Mild steel Frames			

Sujini® Condenser

Our condenser is a high capacity condenser that effectively brings down the **suction pressure to zero pascals** to be fed to the next sequence of machines. Our condensers have a high exhaust rate, two rollers and an optional perforated drum made of Stainless steel.

Condenser Model C1: Technical Specification

Suction Capacity	200-300 Pa
Exhaust	1.6 M ³ /sec
Materials	Perforated drum made of SS.
Motor	Twin energy efficient motors for drum, stripper roller and fan.



Testimonials

Excellent machine quality with great after sales service. Finest fibre opening achieved with lesser fibre tuft size.

Mr. Somasundaram Kandasamy
General Manager - KPR Mills Ltd

Stainless steel for beater blades and ducting offered is the best choice for extended life & quick fibre change without cleaning required.

Mr. Selvam
Maintenance Manager - SCM Textile Spinners Ltd.

Certifications



ISO 9001:2015



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ID 9108632695

Contact

- 📍 Sujini Machines
No.12/4b, Uzhaipalar Street, Vellakinar Post,
Coimbatore 641 029, Tamilnadu, India.
- ☎ +91 0422 264 5054, +91 97987 055070
- ✉ sales@sujinimachines.com

Marketed By:-

PIOTEX TEXTECH PRIVATE LIMITED

"Malhar", Plot No. 11/2, S. No. - 126,
Walhekarwadi, Near Atharv Park, Chinchwad,
Pune - 411 033. Maharashtra, INDIA.
Cell : + 91 - 83 90 11 55 44, + 91 - 83 90 11 66 44
email : info@piotex.in website : www.piotex.in