

**Maximize PROFIT  
Minimize EFFORTS**



Manufacturer & Exporter of Spinning Roll Shop Machines



**COT GRINDING MACHINE  
MODEL – GCGHY – 200-AF**

Hydro-Pneumatically operated to grind all type of R/F and S/F (Murata Airjet, Sussen, Rocos etc) Top rollers on pneumatically operated Centreless Grinding Attachment with 200 mm. wide emery having surface finish/accuracy as per international standards. To load 75 to 80 Top rollers of R/F or S/F at a time in adjustable magazine which will come one by one for grinding automatically with auto feeding system which is controlled by digital LCD electronic timer to set grinding time. Longer rollers like Draw Frame, Comber etc. are grinded

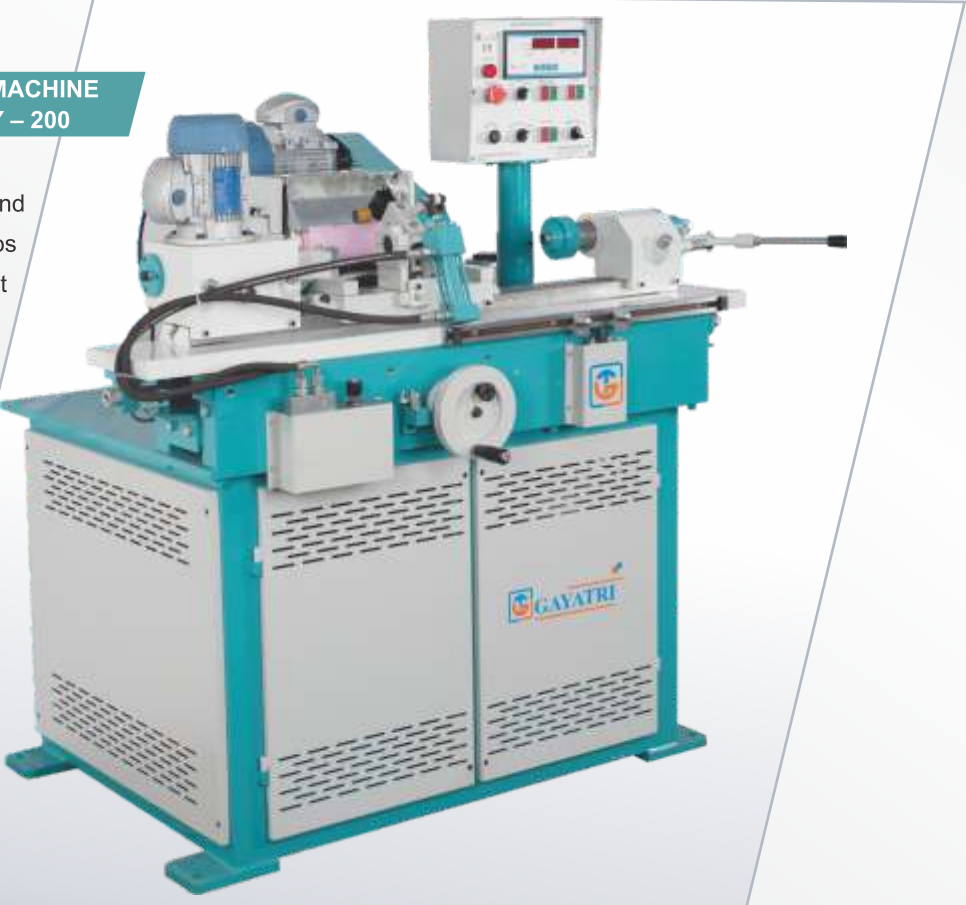


between centre by the help of MT2 dead centre with 25 mm. wide emery. Vibration free design for high accuracy, more productivity and less maintenance. The machine is equipped with dust extraction unit.

**COT GRINDING MACHINE  
MODEL – GCGHY – 200**

Fully Hydraulically operated suitable to grind all type of R/F and S/F ( Murata Airjet, Sussen, Rocos etc) Top rollers on Centreless Grinding Attachment with 200 mm. wide emery controlled by digital electronic timer to set grinding time for arbour and for replacing fresh arbour to be ground having surface finish/accuracy as per international standards.

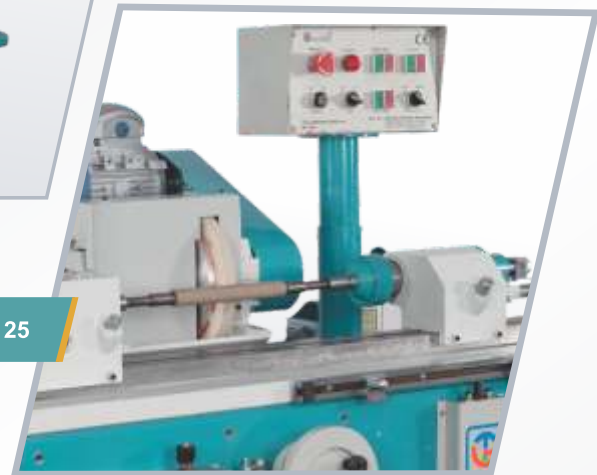
Longer rollers like Draw Frame, Comber etc. are grinded between centre by the help of MT2 dead centre with 25mm wide emery. Vibration free design for high accuracy, more productivity and less maintenance. The machine is equipped with dust extraction unit.




**COT GRINDING MACHINE  
MODEL - GCGH-200**

Semi Hydraulically operated suitable to grind all type of R/F and S/F ( Murata Airjet, Sussen, Rocos etc) Top rollers on manually operated Centreless Grinding Attachment with 200mm. wide emery with hydraulically operated table traverse motion having surface finish/accuracy as per international standards.

Longer rollers like Draw Frame, Comber are grinded between centre by the help of MT2 dead centre with 25mm. wide emery. Vibration free design for high accuracy, more productivity and less maintenance. The machine is equipped with dust extraction units.


**MODEL GCGC - 25**

Model	GCGHY - 200 - AF	GCGHY - 200	GCGH - 200	GCGC - 25
Operating System	Auto Feeding	Semi Automatic	Manual	Manual
Production Per Hour	275 - 300 Arbour	250 - 275 Arbour	200 - 225 Arbour	
Centreless Attachment For R/F & S/F	Pneumatically Adjustable Grinding Time	Hydraulically Adjustable Pressure & Grinding Time	Manual	
Longer Roller Like Comber / Draw Frame etc	Grinding Between Centres, Taper Grinding System Provided For Comber Detaching Roller			
Grinding Accuracy & Surface Finish	± 0.02 Ra Value < 0.5 umm			
Lubrication System	Centralise System By Manual Pump			
Connected Electric Load	3.3 KW (4.5 HP) 3 Phase			
Dust Extraction	Provided Separately			
Compressed Air pressure	6 - 10 Bar			
Grinding Wheel Dimensions	Ring & Speed Frame : 250 O/D X 150 I/D X 200 Wide Longer Roller : 250 O/D X 150 I/D X 25 Wide			250 O/D X 150 I/D X 25 Wide
Working Range	Ring & Speed Frame Roller		Draw Frame / Comber Roller	
Min. Dia	25 MM ( 18 for Rocos)		20 MM	
Max. Dia	40 MM		100 MM	
Max. Length	190 MM		500 MM	
Weight	Net / Gross kgs	1200 / 1600	1100 / 1500	1100 / 1500
Size of Case	Machine	160L X 130W X 160H cms		
	Dust Extraction	110L X 85W X 160H cms		

Grinding accuracy depends on condition & quality of top rollers.

### COT GRINDING MACHINE

#### GCGHY-200-AF Mini Model

The machine has been sophisticatedly designed and constructed to perform vibration free for high accuracy, high productivity, Superior operability with very less maintenance. Hydro – Pneumatically operated to grind R/F and S/F (Murata Airjet, Sussen, Rocos etc) Top rollers only on pneumatically operated Centreless Grinding Attachment with 200 mm. wide emery having surface finish/accuracy as per international standards. To load 75 to 80 Top rollers of R/F or S/F at a time in adjustable magazine which will come one by one for grinding automatically with auto feeding system which is controlled by digital LCD electronic timer to set grinding time. We have provided facility for Dressing of Grinding Stone. The machine is equipped with dust extraction unit. You can change only holder as per top roller drafting.

Net / Gross weight: 800 / 1100 kgs

Size of case: L X W X H : 160 X 130 X 160



### COT GRINDING MACHINE

#### FULLY AUTOMATIC MODEL WITH MEASUREMENT SYSTEM MODEL GCGM - 200



This machine has been sophisticatedly designed and constructed to perform vibration free for high accuracy, high productivity, Superior operability with very less maintenance. Hydro – Pneumatically operated to grind R/F and S/F Top rollers only after measuring pre-determined size on pneumatically operated Centreless Grinding Attachment by moving Grinding stone forward / backward and Oscillating movement Hydraulically operated with 200 mm. wide emery having surface finish/accuracy as per international standards. To load 75 to 80 Top rollers of R/F or S/F at a time in adjustable magazine which will come one by one after measuring for grinding automatically with auto feeding system which is controlled by digital LCD electronic timer to set grinding time. Pre-Setting of the machine is done by manually as well as automatically. We have provided Automatic Dressing of Grinding Stone. The machine is equipped with dust extraction unit.

Net / Gross weight : 1400 / 1800 kgs.

Size of cage L x W x H : 160 x 140 x 160 cms

Size of cage L x W x H : 110 x 85 x 160 cms

**COT GRINDING MACHINE**
**MODEL GCGHY-200-25-AF**


This machine has been sophisticatedly designed and constructed to perform vibration free for high accuracy, high productivity, Superior operability with very less maintenance. Hydro – Pneumatically operated to grind R/F and S/F (Murata Airjet, Sussen, Rocos etc) Top rollers only on pneumatically operated Centreless Grinding Attachment with 200 mm. wide emery having surface finish/accuracy as per international standards. To load 75 to 80 Top rollers of R/F or S/F at a time in adjustable magazine which will come one by one for grinding automatically with auto feeding system which is controlled by digital LCD electronic timer to set grinding time. The machine is equipped with dust extraction unit.

You can use another side to grind longer rollers like Draw Frame, Comber etc are grinded between centre by the help of MT2 Dead Centre with 25mm

wide emery and hydraulically operated table traverse motion. Also we have made a provision that we have provided system for 200mm. wide emery attachment with hydro pneumatically operated Centreless Grinding attachment suitable to grind all kinds of R/F & S/F top rollers as an optional.

Net / Gross weight : 1400 / 1800 & 250/450 kgs.

Size of cage L x W x H : 180 x 150 x 165 cms

Size of cage L x W x H : 180 x 85 x 160 cms





### ECCENTRICITY & TAPER TESTER

Machine is designed to check eccentricity and taper of all kind of top rollers like R/F, S/F, Draw Frame, Comber etc. Fully motorized easy to operate for checking eccentricity of the top roller at any point with linear guide bearing with single phase electric motors Dial Indicator are fitted on adjustable stand to adjust height wise.

Net / Gross weight : 60 / 120 kgs.  
Size of cage L x W x H : 85 x 45 x 40 cms

### ECCENTRICITY & TAPER TESTER (Manual)

Machine is designed to check eccentricity and taper of all kinds of top rollers like R/F, S/F, Draw Frame, Comber etc. Manually operated for checking eccentricity and taper of top roller at any point with two Dial indicator which are fitted on adjustable stand to adjust height and width wise.

Net / Gross weight : 60 / 120 kgs.  
Size of cage L x W x H : 75 x 40 x 60 cms



### ULTRA VIOLET TREATMENT MACHINE

The most advanced environment friendly and world wide accepted treatment for irradiation of all types of cots like Ring Frame , Speed Frame, Draw Frame, Comber, etc. Designed totally maintenance free to reduce lapping on buffed top rollers in spinning department. During treatment ultra violet rays improve the surface finish and control roller lapping to save costly rubber cots from damage ensuring consistency of yarn quality and increased productivity, having 2KW, 1400 Volts, U.V. Lamp. For uniform treatment roller rotating system is provided. Treatment time is 6 - 8 minutes per batch for 35 top rollers of R/F and 20 of S/F. Loading and unloading of top roller is manual, safe and easy. Complete operation is controlled by auto reset timer.

Net / Gross weight : 450 / 650 kgs.  
Size of cage L x W x H : 150 x 95 x 170 cms



### SPINDLE LUBRICATING MACHINE

Lubrication machine is designed with 2 separate guns – flushing & oiling guns for perfect flushing/ cleaning & oiling of spindle bolster for longer life of bearing, having trolley wheel to move one place to another place.

Due to zero leakage, there is no oil around the bolster which also ensures no fly and fluff accumulation, thus keeping the spindle / ring frame neat and clean.



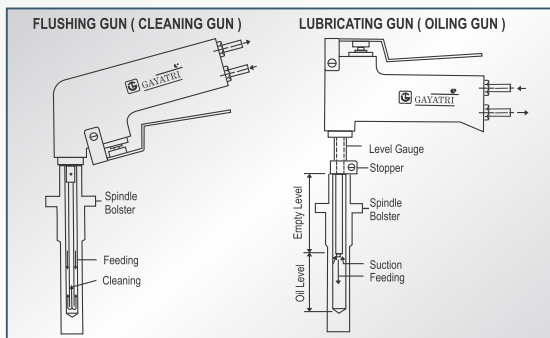
Model	3 Tanks	2 Tanks
Flushing Tank	20 Ltrs	20 Ltrs
Oiling Tank	12 Ltrs	12 Ltrs
Topping Tank	10 Ltrs	—
Electric Motors	0.5 HP, 1440 RPM Single Phase	
Weight	Net / Gross kgs	110 / 230
Size of Case	125L X 60W X 110H cms.	

### FLUSHING GUN ( CLEANING GUN )

Fitted with S.S. nozzle assembly, which cleans the bolster from neck bearing to footstep bearing and the dirty oil will be sucked out efficiently which will go to the flushing oil tank duly filtered twice by micro filter.

### LUBRICATING GUN ( OILING GUN )

Equipped with adjustable S.S. dual nozzle assembly and easily adjustable auto oil level gauge system to maintain automatic oil level uniformly with no overflow or leakage at all. The same gun can be used for oil topping facility.



### FLUTED ROLLER TRUING MACHINE

Manually easy operated to identify and rectify the eccentricity of fluted rollers upto 34 mm. diameter, without causing damage and removing by dial indicator fixed on an adjustable and moveable on the horizontal guide rod, 1200 mm long working table.

Net / Gross weight : 180 / 325 kgs.

Size of cage L x W x H : 135 x 75 x 95 cms

**Hydraulically operated model is also available.**





### HYDRAULIC COTS MOUNTING & DE-MOUNTING MACHINE

Machine is designed to mount & demount all types of longer top rollers like Comber, RSB Draw Frame "ALUCORE" cots etc. by horizontal attachment with roller guide, Stroke adjustment will be as per cots length. Separate Vertical attachment is provided for Ring Frame, Speed Frame & O/E & texturizing cots (Plane, PVC, Easyfit, Alucore) for more productivity. Hydraulic Power Pack is provided to operate both attachment at a time with 2HP, 3 Phase electric motor. Working pressure can be adjustable.

Net / Gross weight : 350 / 550 kgs.  
 Size of cage L x W x H : 195 x 105 x 120 cms

### HAND COT MOUNTING & DE-MOUNTING MACHINE

Manually operated, convenient, economic and fastest concept to mount and demount rubber cots on top rollers of Ring Frame, Speed Frame & O/E ( Plain, PVC, Easyfit & Alucore )

Net / Gross weight : 40 / 70 kgs.  
 Size of cage L x W x H : 65 x 40 x 75 cms



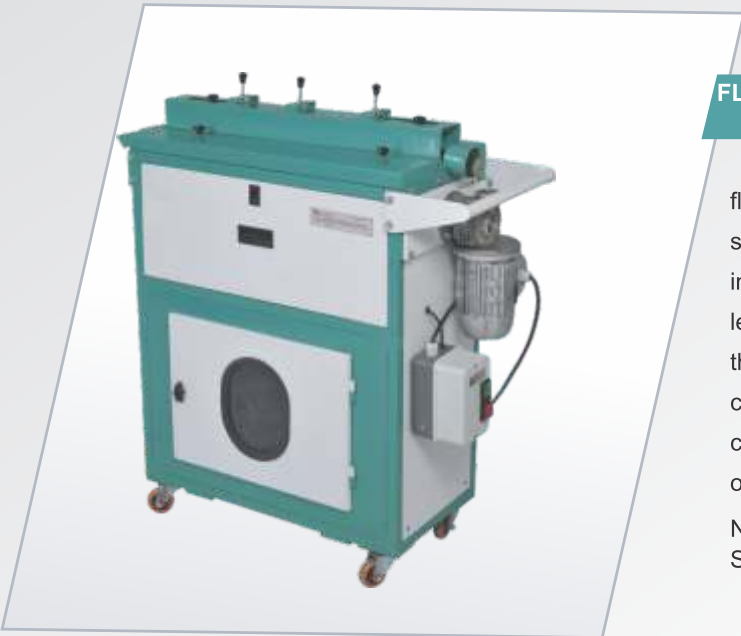
### PNEUMATIC COT MOUNTING & DE-MOUNTING MACHINE

Pneumatically operated convenient, economic, concept to mount & demount rubber cots on top rollers of Ring Frame, Speed Frame, O/E & Texturizing (Plain, PVC, Easyfit & Alucore Cots). Working air pressure 8-10kg/cm<sup>2</sup>

Net / Gross weight : 110 / 200kgs.  
 Size of cage L x W x H : 120 x 65 x 100 cms







### FLOCKED CLEARER ROLLER CLEANING MACHINE

Machine is designed for quick and efficient cleaning of R/F flocked clearer rollers with metal wires, without damaging or spoiling the surface of the clearer roller and the cotton fibres and fluffs are collected in chamber. Fitted with maintenance free gear box and consumes very less power 0.25 HP, 3 Phase electric motor. Metal wires softly goes into the bottom surface of the roller which removes fluff, dust and dirt collected by the clearer roller. Very easy to operate and is capable to clean 1000 rollers per hour. Machine is fixed on trolley wheel to move one place to another place.

Net / Gross weight : 100 / 200 kgs.  
Size of cage L x W x H : 115 x 70 x 130 cms

### AUTO FEEDER FOR FLOCKED CLEARER ROLLER CLEANING MACHINE

Machine is automatic, easy to operate and maintain. High efficient and fast in feeding for cleaning which reduces damages of rollers & also manpower. Power consumption is low having bowl load capacity of 175 / 200 Nos. and feeding capacity of 1000 rollers per hour.

Net / Gross weight : 300 / 450 kgs.  
Size of cage L x W x H : 165 x 105 X 90



### FLOCKED CLEARER ROLLER CLEANING MACHINE ( Manual )

Manually easy operated for cleaning of Comber flocked clearer rollers with metal wires, without damaging or spoiling the surface of the clearer roller and the cotton fibres and fluffs are collected in chamber. Machine is fixed on trolley wheel to move one place to another place.

Net / Gross weight : 65 / 175 kgs.  
Size of cage L x W x H : 115 x 70 x 130 cms





**TOP ROLLER GREASING MACHINE (Vertical Manual)**

Machine is well designed for convenient, efficient greasing system of Ring Frame and Speed Frame top rollers to grease single side at a time with volumetric calibration, manually easy operate and prevent wastage of grease having tank capacity of 1.6 kg.

Net / Gross weight : 60 / 100 kgs.  
Size of cage L x W x H : 65 x 50 x 90 cms

**TOP ROLLER GREASING MACHINE (Automatic)**

Well designed for efficient & convenient greasing system of Ring Frame and Speed Frame top rollers to grease double side at a time with volumetric calibration automatic system controlled by Electronic Sensor. Easy to operate and prevent wastage of grease, ensuring clean operation. Pneumatically operated having tank capacity of 1.6 kg.

Net / Gross weight : 80 / 200 kgs.  
Size of cage L x W x H : 95 x 75 x 120 cms



**MOBILE GREASING MACHINE**

Well designed for efficient & convenient for greasing the fluted roller bearings, tin roller, shaft bearing, gear end etc. to inject the set quantity of grease in grease nipple through light weight gun with hand operated trigger in spinging machines. Easy to operate and prevent wastage of grease, ensuring clean operation. Pneumatically operated having trolley wheel to move one place to another place with tank capacity of 1.6 kg.

Net / Gross weight : 70 / 200 kgs.  
Size of cage L x W x H : 95 x 65 x 125 cms





### TOP ROLLER DE- GREASING MACHINE

Well designed for efficient cleaning of **eight top rollers (Sixteen Shell)** of Ring Frame and Speed frame at a time with roller rotating system by conveyor belts. Auto timer is provided for setting required time for cleaning and pneumatic air connection is for roller drying having high productivity with less maintenance. The flushing oil is filtered before it reaches to the oil tank and same oil is recycled again. Fully enclosed electrically operated 1.5 HP, 3 Phase with exhaust fan to remove the fumes from chamber.

Net / Gross weight : 200 / 325 kgs.  
Size of cage L x W x H : 100 x 90 x 135 cms

### TOP ROLLER DE- GREASING MACHINE

Machine is designed to clean **single top rollers (Two Shell)** at a time with roller rotating disc by 0.5 HP, 3 Phase electric motor. Auto timer provided to set required flushing time, having less maintenance. The flushing oil is filtered before it reaches to the oil tank and same oil is recycled again.

Net / Gross weight : 125 / 250 kgs.  
Size of cage L x W x H : 120 x 75 x 105 cms



### CLEARER ROLLER CLEANING MACHINE

Most convenient, economic, easy to operate and safe machine to clean clearer roller automatically without damaging the clearer cloth surface (Wooden Roller). To remove the cotton fibers and fluffs by nylon brush which should be collected in chamber by the help of dynamically balanced efficient suction fan, which rotates with 1 HP, 3 Phase electric motor. Machine is fixed on trolley wheel to move one place to another place.

Net / Gross weight : 100 / 225 kgs.  
Size of cage L x W x H : 95 x 75 x 120 cms



Our prime motto is to satisfy customer in all respects. Only customer's satisfaction is our profit margin. Considering Quality, Prompt Delivery, Price & after Sales Service, we are getting good responses from India and International Market.

Continuous design development / modification are being made in our range of products by studying customer's exact requirement, hence our products are successfully competing with others and exporting regularly in textile global market.

Last but not least, our entire expert technicians are working under one roof –  
GAYATRI TEXTILE MACHINES.

Note : In view of continuous development, we reserve the right to modify the design, picture, specifications and dimensions without notice.

## **GAYATRI TEXTILE MACHINES**

17, Harshad Ind. Estate, Margha Farm Compound,  
Behind L.B.S. Stadium, Bapunagar, Ahmedabad-380 024,  
Gujarat. INDIA

Ph. No. +91 79 22775403

Cell. No. +91 98980 81503

+91 93750 81503

E-mail : [gayatrirrp@gmail.com](mailto:gayatrirrp@gmail.com), [gayatrirrp@rediffmail.com](mailto:gayatrirrp@rediffmail.com)

[www.cotgrindingmachine.com](http://www.cotgrindingmachine.com)

[www.gayatritexmach.com](http://www.gayatritexmach.com)