

For Achieving International Quality of Yarn and
One Single Source of Your Spinning requirements

SAGAR

Panna Spin Equipments Pvt. Ltd.

**RISHABH SAGAR TEXTILE
EQUIPMENTS PVT. LTD.**

**SAGAR****SAGAR SPINNING ROLL SHOP EQUIPMENTS**

STANDARD COT GRINDING MACHINE (WITHOUT CENTRELESS GRINDING ATTACHMENT)



MACHINE DESCRIPTION WITH TECHNICAL FEATURES APPLICATION :

For Grinding the Top roller of Draw Frame, Comber, Sliver lap, Ribbon lap as well as Open End take up roller with grinding wheel of 250 X 150 X 25 mm

TECHNICAL SPECIFICATION

- | The table movement of the machine is hydraulic to & fro
- | The wheel head unit with the grinding wheel reciprocating by manual with the help of wheel.
- | Dust Collecting unit is built with the machine.
- | Work head, coupled with 0.5 H.P Ele. Motor with reduction gear box unit.
- | The tail stock unit, spring loaded with revolving centre.
- | Electric Power 4.5 H.P., III Phase, 50 Hz

PACKING DATA

- | Net weight 1100 Kgs,
- | Gross Weight 1400 Kgs,
- | Case Dim. 163 X 140 X 168 Cms

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**SAGAR****SAGAR SPINNING ROLL SHOP EQUIPMENTS**

HIGH PRODUCTION SEMI AUTO COT GRINDING MACHINE



APPLICATION

For Grinding the Top roller of Draw Frame, Comber, Sliver lap, Ribbon lap as well as Open End take up roller with grinding wheel of 250 X 150 X 25 mm.

Centreless Grinding Attachment manually operated for grinding the Ring Frame and Speed Frame Top Roller with the help of grinding wheel of 250 X 150 X 200 mm

TECHNICAL SPECIFICATION

- | The table movement of the machine is hydraulic to & fro
- | The wheel head unit with the grinding wheel reciprocating by manual with the help of wheel.
- | Dust collecting unit in built with the machine.
- | Work head, coupled with 0.5 H.P Ele. Motor with reduction gear box unit.
- | The tail stock unit, spring loaded with revolving centre.
- | Positive drive Centreless Grinding attachment with the roller catch for grinding the top roller of Ring Fame and speed frame by manual operation
- | Electric Power 4.5 H.P. III Phase, 50 HZ.

PACKING DATA

- | Net weight 1200 Kgs,
- | Gross Weight 1500 Kgs,
- | Case Dim. 163 X 140 X 168 Cms

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**SAGAR****SAGAR SPINNING ROLL SHOP EQUIPMENTS**

UNIVERSAL FULLY HYDRUALIC COT GRINDING MACHINE



SAGAR Fully Hydraulic High Production Cot Grinding Machine have a full width of Grinding wheel of 200 mm, with positive drive of centre less grinding attachment suitable for grinding the Ring / Speed Frame Top Roller with digital timer, indicating the total number of production, buffing / loading unloading time with easy change over of single emery unit for grinding the top roller of Draw Frame, Comber etc. between two centre on the hydraulic table movement. The Machine is equipped with elec. Motor i.e. 0.50 H.P. for work head, 2.00 H.P. for wheel head, 1.00 HP for dust extraction unit & 1.00 HP for Hydraulic power pack. The machine is having an elec. Panel and hydraulic control on the front of the machine. The Wheel head unit as well as centreless attachment are working fully on Hydraulic system.

TECHNICAL SPECIFICATION

High volume of superfine cot grinding. Specially suited for quality conscious spinning mills. Machine controls accuracy of 0.01 mm in taper & eccentricity of buffer top roller with international standard RA value of $\mu\text{m } 03$. To 0.5 μm .

APPLICATION

The machine has a full width emery of 200 mm with Hydraulic movement, it has the LCD timer & positive drive of centre less grinding attachment having hydraulically operated top arm including 25 mm width , of grinding wheel unit with efficient dust extraction unit. A unique single piece of working table with the table traverse speed controls electric timer is having LCD display of seconds and counter in including total production of top rollers. Total electric power required 4.5 H.P.

PRODUCTION CAPACITY

Rough Grinding 100 Top Rollers of Ring Frame & Speed Frame per hour on drum emery. Finishing & re-buffing 350 Top Roller of Ring Frame or Speed Frame per hour on drum emery between two centres 15/20 Top Roller of Draw & comber Roller. After Grinding, accuracy 0.01 mm Taper & 0.01 mm Eccentricity.

PACKING DATA

MACHINE

- Net Weight: 1350 Kgs. ,
- Gross Weight : 1700 Kgs. ,
- Case Dim. 176 x 154 x 156 Cms.

DUST COLLECTION

- Net Weight: 70 Kgs,
- Gross Weight: 200 Kgs,
- Case Dim. : 85x74x144 Cms.

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AUTO FEEDING COT GRINDING MACHINE



SAGAR Fully Auto Cot Grinding machine with PLC & Sensor with special designed centreless Grinding Attachment with Grinding Wheel of 200 mm width for grinding the Top Roller of Ring Frame & Speed Frame on Auto Feeding Mechanism.

For Grinding the Draw Frame & Comber Roller: The auto feeding attachment is to be removed & grinding stone is to be removed & to place 25 mm width grinding wheel & working principle will be To & Fro. Total Electric Power 4.5 H.P. Pneumatic Air Required Between 5 to 7 Bar

TECHNICAL SPECIFICATION

High Volume of Super Fine Cot Grinding. Specially suited for quality conscious Spinning Mills. Machine control accuracy of 0.01 mm in Taper & Eccentricity of Buffed Top Roller with International Standard RA Value of 0.3 μ m. to 0.5 μ m.

APPLICATION

The machine has a full width emery of 200 mm with Hydraulic movement, incorporate with PLC sensor with positive drive of centreless grinding attachment working with Pneumatic air. 25mm width of Grinding Wheel Unit for Grinding the Long Roller with high efficient dust extraction unit.

PRODUCTION CAPACITY

Rough Grinding 100 Top Rollers of Ring Frame & Speed Frame per hour on drum emery. Finishing & re-buffing 350 Top Roller of Ring Frame or Speed Frame per hour on drum emery between two centre 15/20 Top Roller of Draw & Comber Roller. After Grinding , accuracy 0.01 mm Taper & 0.01 mm Eccentricity.

PACKING DATA

MACHINE

- Net Weight: 1350 KGS,
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FULLY MOTORIZED ECCENTRICITY & TAPER TESTER

APPLICATION

This equipment is suitable for checking all type of top roller like Ring Frame, Speed Frame, Draw Frame, Comber & other preparatory

TECHNICAL DATA

- | Fully Motorized & sturdy designed equipment is easy to operate for checking taper & eccentricity simultaneously of the top roller at any point.
- | Equipment supplied with master gauge for perfection & performance.

PACKING DATA

- | Net/Gross Wt. 45 / 75 Kgs,
- | Case Dim. 45 X 30 X 68 CMS



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U. V. TOP ROLLER TREATMENT MACHINE



APPLICATION

The perfect buffed top rollers are treated for minimizing Roller lapping in spinning department.

TECHNICAL DATA

- | Embodies a lamp of 2 KW
- | Top Roller gets constant rotation to maintain U.V. Treatment.
- | The loading and unloading of the cots is made simple without any accident hazard.
- | The exposure time of only 8 minutes per batch is enough for complete irradiation.
- | Improve quality of yarn & increase the life of cots.
- | The result of machine was tested by ATIRA & International Research Institute.

PACKING DATA

- | Net / Gross weight: 460/700 Kgs.
- | Case Dim. : 168 X 95 X 176 Cms.

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**SAGAR****SAGAR SPINNING ROLL SHOP EQUIPMENTS**

PNEUMATIC CALENDERING MACHINE



APPLICATION

This machine is most useful for removing air pocket & twistness between cot & top roller arbours after mounting

TECHNICAL DATA

- Due to pneumatically operated power driven, maximum & uniform pressure is applied on mounted rollers.
- No manual operation is required since have provided timer & on-off auto switch for automatic calendering.
- Compact design with 3 rollers in working drawer on bush bearing & 2 idle rollers on top of machine.

PACKING DATA

- Net/ Gross weight : 150 / 200 Kgs.
- Case Dimensions: 100 X 60 x 70 cms.

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HAND COT MOUNTING / DE-MOUNTING MACHINE



APPLICATION

Manually economical model for mounting & demounting of cots of Ring Frame, Speed Frame top rollers.

TECHNICAL DATA

- | Designed of machine is sturdy.
- | Operation is simple with proper centering of mounting of cots.
- | Machine can be fitted on a table for easy & efficient working without damaging cots & bearing.

PACKING DATA

- | Net / Gross weight: 30/ 60 Kgs,
- | Case Dim. : 45 X 28 X 75 Cms.

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VERTICAL PNEUMATIC COT MOUNTING & DEMOUNTING MACHINE (TABLE MODEL)



APPLICATION

Pneumatic operated table model for easy mounting & demounting of R/F , S/F cots of all types by the foot pedal operation.

TECHNICAL DATA

- | Machine is fixed on heavy structure table.
- | We have provided drawer , foot pedal & FRL (Filter cum Regulator cum Lubricator) with pressure gauge.
- | Machine is having two guide with guide roller for easy & accurate mounting without any damages of lips of arbour or bearings.
- | Heavy duty Pneumatic cylinder with size of 125 mm X 100 mm
- | Air connection is at the rear side of the table.

PACKING DATA

- | Net / Gross weight : 64 / 104 kgs.,
- | Case Dim : 104 X 59 X 46 cms.

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**SAGAR****SAGAR SPINNING ROLL SHOP EQUIPMENTS**

HEAVY DUTY FULLY HYDRAULIC COT MOUNTING / DE-MOUNTING MACHINE



APPLICATION

Machine is suitable for mounting & de-mounting of all quality of cots like Ring Frame, Speed Frame, Draw Frame, Comber, Ribbon laps etc.

TECHNICAL DATA

- | In front side, we have provided horizontal mounting/ de-mounting device with roller guide suitable for all type of longer cots.
- | Rear side is equipped with vertical device & roller guide for Ring Frame, Speed Frame Top Rollers.
- | Hydraulic Power pack with 1 H.P. Ele. Motor acts vital role to operate both front & rear device at a time
- | Working pressure can be adjusted accordingly to the requirement.

PACKING DATA

- | Net / Gross weight: 375/ 575 Kgs,
- | Case dimensions: 210 X 106 x 126 Cms.

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**SAGAR****SAGAR SPINNING ROLL SHOP EQUIPMENTS**

VERTICAL TOP ROLLER GREASING MACHINE



APPLICATION

This machine is used to grease required quantity in top roller of Ring / Speed frame with volumetric calibration system.

TECHNICAL DATA

- No over filling & wastage of grease occurs since provided calibrated system.
- Advantage of dual function by single stroke handling i.e. Volumetric pressure to grease. Upward of arbour holding slide with arbour.
- About 2 kgs grease tank capacity can grease about 175 top rollers per hr. of Ring / Speed Frame.

PACKING DATA

- Net / Gross weight: 51 X 105 Kgs
- Case dimensions: 69 x 55 X 93 Cms.

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TOP ROLLER DE-GREASING MACHINE



APPLICATION

Ring / Speed Frame Top Roller arbour can be cleaned & dried thoroughly including ball bearing & surface of cots.

TECHNICAL DATA

- | Friction disc is provided with locking device handle which rotates top roller during flushing process
- | Two different types of sliding nozzles are provided for perfect, uniform flushing on top roller with pressure
- | Flushing time can be adjusted as per requirement by auto timer.
- | Entire de-greasing process can be seen through Acrylic top cover.

PACKING DATA

- | Net / Gross weight: 120/250
- | Case dimensions: 104 x81x111 Cms

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SPINDLE OIL MAINTENANCE MACHINE



APPLICATION

This machine is used for suction & flushing of old oil from spindle bolster of R/F & TFO including cleaning of the neck bearing & topping of fresh oil as per desired height.

TECHNICAL DATA

- Designed of the machine is on the total filtration through the micro double layers filter process.
- Suction cum Flushing gun which suck the old oil & flush with flushing oil which clean the neck bearing & oil returns duly filtered to the tank.
- Unique topping gun which top the new oil as per required height of bolster & excess oil returns duly filtered to the tank.
- Machine is having four castor wheels & easy to move in the department, out of which, two castor wheels are having break.
- Machine is designed in such a way that the gun can be placed in the gun holder & the top can be locked & power plug can be removed easily.

PACKING DATA

- Net / Gross weight: 120 / 250 Kgs
- Case dimensions: 105 x60x125 Cms

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SEMI AUTO BOBBIN STRIPPING MACHINE



APPLICATION

Machine can be used to remove left out yarn of R/F Bobbins without any damages.

TECHNICAL DATA : SPECIAL FEATURES

- | Auto feeding with conveyer
- | High storage capacity
- | Automatic center device
- | Waste collection suction system
- | Machine is working on hydraulic system.
- | Provide PLC (programme logistical control) system
- | Wrong side bobbin detection device

PRODUCTION

- | 2500 to 3000 tubes of one size per shift of 8 hrs

PACKING DATA

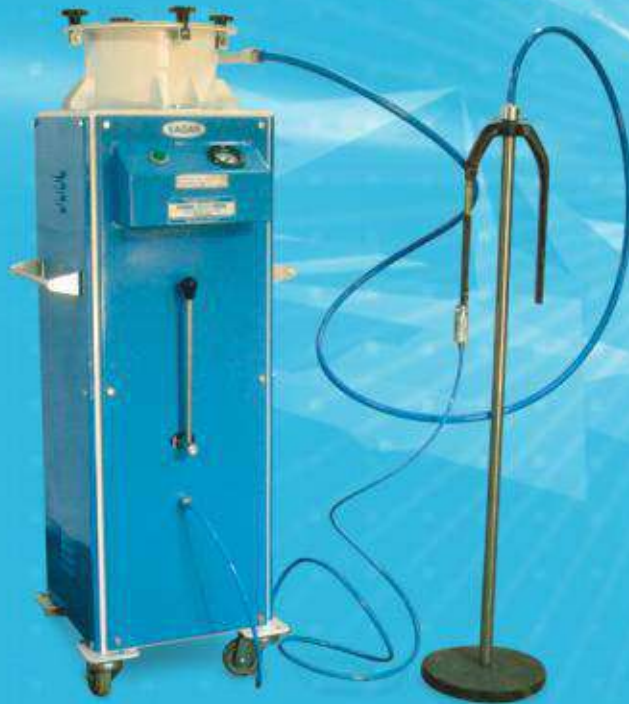
- | Net / Gross Weight: 450 / 525 Kgs
- | Case dimensions: 150 x 145 x 139 Cms

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**SAGAR****SAGAR SPINNING ROLL SHOP EQUIPMENTS**

PNEUMATIC OPERATED FLYER CLEANING MACHINE



APPLICATION

This machine is suitable for cleaning inside tube of closed type flyer.

TECHNICAL FEATURES

- | Universal design, Suitable for any type of flyer.
- | Innovative full proof design.
- | No electric power required.
- | Optimum utilization of compressed air.
- | Operates only on air but with automated Pneumatic circuit.
- | No acids, no chemicals, no gases & no hot/cold water used for cleaning.
- | Perfectly developed Eco Friendly media i.e. Aluminium Oxide Powder is used for cleaning
- | Very gentle cleaning action, no damages to inner surface of flyer tube.
- | Tube inside diameter keep getting polished during every operation, thereby reducing fluff accumulation at later stages.

PACKING DATA

- | Net/ Gross Wt: 65 /110 Kgs
- | Case Dim. : 60 x 60 x 158 CMS

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UNIVERSAL SEMI AUTO ROVING END OPENER MACHINE



APPLICATION

The machine is suitable for stripping out the reminent yarn from the roving bobbins on suction & blowing principle.

MACHINE FUNCTION:

- A. 15 Nos. Spindles with running speed of 18 mtrs to 35 mtrs per minute to unwind the reminent yarn.
- B. The reminent yarn will pass through Cyclonic nozzle to open the twist of the reminent yarn & to pull out the fibre which will transfer through the Header with vacuum suction in a natural form fibre without damaging the property of the fibre, which will be collected in the cotton collection chamber.
- C. No Compressed Air is required.

PRODUCTION:

- Two to three layers reminent yarn of the bobbin can be cleaned per hour 100 to 120 bobbins.

PACKING DATA

- Net / Gross Weight: 250 / 450 Kgs
- Case Dim. : 160 X 137 X 198 CMS

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FLUTER ROLLER TRUEING MACHINE

APPLICATION

Suitable for straightening of fluter roller of the Ring Frame.

TECHNICAL DATA

- | Naturally seasoned single piece of special type of C.I. Table having 1200 mm length, Ground Surface finish with internal slides way.
- | Two slide roller straightening blocks equipped with cap for easy holding and straightening of rollers.
- | Spring activated two anti-friction bearing blocks which can be adjusted to different lengths of roller for all type of rollers.
- | Dial gauge is provided with machine; can be adjustable. Forward, backward & vertically by special device for measuring eccentricity of fluted roller in hundredth of a m.m.

PACKING DATA

- | Net / Gross Weight: 300 / 400 Kgs
- | Case Dim. : 107 X 66 X 66 CMS



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FLOCKED CLEARER ROLLER CLEANING MACHINE.



APPLICATION

With gear box, with elec. motor of 0.25 HP for a smooth driving of the metallic wire very softly touching the surface of the flock roller and removing fluffs and dust from the flock roller which again drive with Nylon brush with the electric driven suction blower with motor of 1 HP which accumulate all the fluffs at the bottom of the box.

TECHNICAL FEATURES

- | Very easy to operate & maintain
- | Highly efficient & fast in cleaning.
- | The machine can be easily moved in between the ring frames.
- | Very low power consumption and noiseless operation.
- | Compact size and unique cleaning principle that completely removes and collect the fluffs & micro dust.

PACKING DATA

- | Net / Gross weight: 90 / 150 Kgs
- | Case Dim. : 70 X 42 X 100 CMS

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