



Perfection Through Technology



Roll Shop Maintenance Machines



Company Profile

A Company created by technocrats Four decades ago, PERFECT continues to be driven by a clear vision for excellence in technology and engineering. This single minded pursuit of uncompromising quality standards and continuous innovation has catapulted PERFECT into the international market, making it the choice source of leading multinationals in the Global Textile Arena. PERFECT'S ability to integrate technology, processes and customer requirements into ingenious solutions has resulted in delivering the machines with highest efficiency at a very economical price.

PERFECT is manufacturing and delivering machines which meets the International Standards of Accuracy and Efficiency. Perfect Machines are well accepted in Europeans Markets which requires CE Certification.

Perfect Equipments Pvt. Ltd. has many times winner of Special Export Award from the most reputed organization like FITEI & Engineering Export Promotion Council.

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Automatic Cot Grinding Machine **ACG 600 – EL**

Fully Automatic Grinding System for grinding top rollers of any make of Ring Frame & Speed Frame.

Perfect Automatic Cot Grinders All models are capable of grinding the cots at high speed maintaining the International Standards of quality with respect to surface finish and accuracy.



PATENTED

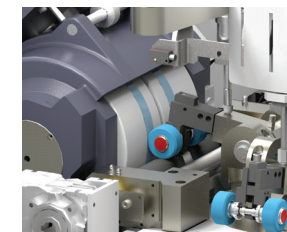
Fastest Cot Grinding Machine in the world

Advantages :

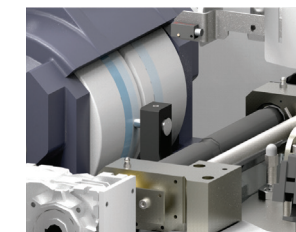
- Output up to 600 arbours / Hr (1200 Cots / Hr)
- Surface Finish $Ra \leq 0.5 \mu\text{mm}$
- Integrated measuring system
- Integrated auto dressing of grinding stone, No Intervention of Operator
- Easy Loading - Auto Feeding - Large Storage
- A.C. Servo motor can position the Grinding stone with an accuracy of 0.01 mm
- Touch screen display with graphics & fault finding indication - multi language
- Speed of top roller is variable and set as per cot dia
- Faster payback
- Programmable Automatic Cleaning of Grinding stone
- Equipped with powerful Dust Extraction System
- Power 7.2 kW

Working Programs :

- Grinding to Predetermined diameter
- Grinding to a fix cut on different diameters
- Sorting of Top Roller with Grinding / without Grinding
- Programmable Automatic Dressing of Grinding stone



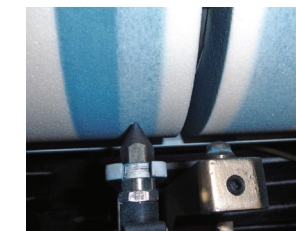
R/F Cot Grinding



Automatic Dressing



Display & Control Panel



Automatic Cleaning

Automatic Cot Grinding Machine **ACG 600**

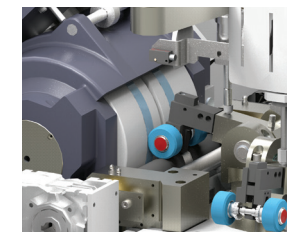


Advantages :

- Output up to 600 arbours / Hr (1200 Cots / Hr)
- Surface Finish $Ra \leq 0.5 \mu\text{m}$
- Integrated measuring system
- Integrated auto dressing of grinding stone, No Intervention of Operator
- Long magazine capacity - Loading & Unloading - allowing machine to run for 45 minutes without operator Intervention
- Easy Loading - Auto Feeding - up to 400 arbours Storage
- A.C. Servo motor can position the Grinding stone with an accuracy of 0.01 mm
- Touch screen display with graphics & fault finding indication multi language
- Speed of top roller is variable and set as per cot dia
- Faster payback
- Programmable Automatic Cleaning of Grinding stone
- Equipped with powerful Dust Extraction System
- Power 7.5 kW

Working Programs :

- Grinding to Predetermined diameter
- Grinding to a fix cut on different diameters
- Sorting of Top Roller with Grinding / without Grinding
- Programmable Automatic Dressing of Grinding stone



R/F Cot Grinding



Display & Control Panel



Automatic Cleaning



Two Large Magazines (Raw & Finish)

Auto Cot Grinder **ACG – 2**



Advantages :

- Output up to 250 arbours / Hr
- Surface finish, $Ra \leq 0.5 \mu\text{mm}$
- Integrated auto dressing of grinding stone
- Large Magazine capacity (Finished & Unfinished)
- A.C. Servo motor can position the Grinding stone with an accuracy of 0.01 mm
- Equipped with powerful Dust Extraction System
- Power 6.1 kW

Working Programs :

- Grinding to Predetermined diameter
- Grinding to a fix cut on different diameters
- Sorting of Top Roller with Grinding / without Grinding
- Programmable Automatic Dressing of Grinding stone



Touch Screen Display



Grinding of Top Rollers of all types of spinning machines including Open End machines, Murata Air Jet spinning, Süssen, Rieter & other makes of compact yarn spinning machine.

Twin Head Twin Feeding Cot Grinder **TWG – TF**



Universal Machine with Auto Feeding Device
Controlled by PLC for all types of Ring Frame,
Speed Frame Top Roller on centreless
Grinding System.
Long cots of Draw frames, Combers etc.
up to 400 mm length with centre is possible.

- Equipped with powerful dust Extraction System
- Centreless Grinding for R/F & S/F Cots and with
Centre Grinding for D/F & Comber Cots possible
- Provision for Taper Grinding for Comber Cots
- Multi Point Diamond Tool for Dressing
Grinding Wheel

- Versatile Grinding Machine
for any make of Cots
- Auto Feed System allows
operator to do other duties
- Auto Feed System ensures
safety to the operator



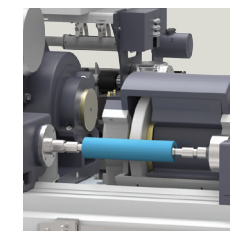
- Specially designed Universal and Twin head
Twin feeding cot grinding machine for Centreless
grinding of Ring Frame / Speed Frame top rollers
- For Between centre Grinding of long top rollers for
Draw frame & Comber up to 400 mm length
- Separate control of two heads and auto feeding system
for grinding Ring Frame / Speed Frame top rollers
- Ring Frame / Speed Frame top roller grinding
automatic and controlled by Two Separate PLC,
Two Auto feed system with two 200 mm width
grinding wheel
- High Production Rate
- Grinding accuracy of International standards
- Equipped with powerful Dust Extraction System
- Power 7 kW



Grinding of R/F & S/F with Auto feeding - 2 Unit



Separate Display & Controls

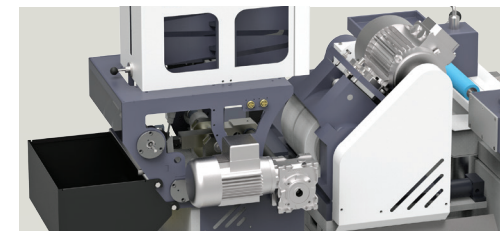


Grinding of Long Cots

Twin Grinder TWG



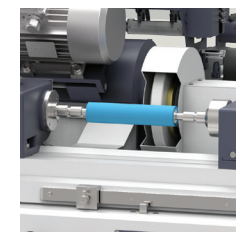
- Specially designed Twin Head Auto cot grinding machine for simultaneously grinding of Ring Frame / Speed Frame and long top rollers
- No need to change grinding wheel assembly—Can grind all types of cots continuously
- Separate control for grinding Ring Frame / Speed Frame cots and long cots
- Ring Frame / Speed Frame top roller grinding is automatic and controlled by PLC, Auto feed system with 200 mm width grinding wheel allows operator to do long top rollers grinding simultaneously with 25 mm width grinding wheel
- Equipped with powerful Dust Extraction System
- Power 6.3 kW



Magazine with Stone



Separate Display & Controls



Grinding of Long Cots

Cot Grinding Machine BM – 1 AF



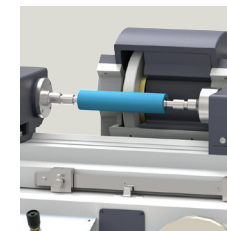
- Universal cot grinding machine for all types of cots up to 400 mm length
- Auto feed magazine for Ring frame rollers
- Provision for Taper grinding of Comber detaching rollers
- Powerful dust extraction system
- Hydraulically operated, adjustable, variable table traverse speed
- Equipped with powerful Dust Extraction System
- Power 4.07 kW



Display & Control Panel



Grinding of R/F & S/F Cots

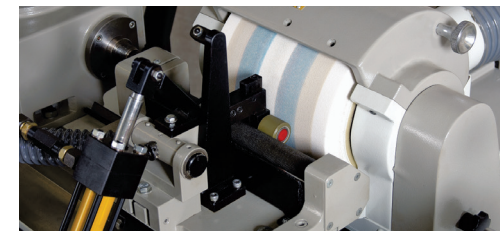


Grinding of Long Cots

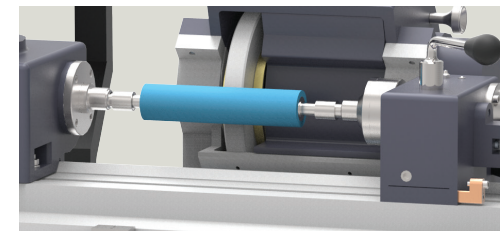
Cot Grinding Machine BM – 1



- Suitable for all types of Top Rollers used on Ring Frame & Speed Frame
- Also suitable for Long Cots used on Draw Frame & Comber
- Accurate Taper Buffing System for Comber Top Detaching Rollers
- Hydraulically operated, adjustable, variable table traverse speed
- Provision for adjusting the pressure on Top Roller while grinding of Ring Frame & Speed Frame Cots
- Digital timer allows different timing cycle for grinding loading / unloading
- Equipped with powerful Dust Extraction System
- Production up to 360 - 400 arbours / Hr
- Surface finish $Ra \leq 0.5 \mu\text{mm}$
- Power 4.07 kW



Cot Grinding of Ring Frame Top Roller



Grinding of Long Cots

Cot Grinding Machine **MM – 2**



- Suitable for all types of Top Rollers used in cotton / Synthetic Spinning mills for Draw Frame
- Lap preparation, Combers Speed Frame, Ring Frame & OE cots
- Centreless grinding attachment for Speed Frame / Ring Frame with 200mm wide grinding stone
- With centre grinding attachment for long cots with 25 mm wide grinding stone
- Table traverse movement is hydraulically controlled and adjustable with efficient dust extraction system
- Equipped with powerful Dust Extraction System
- Power 4.07 kW

Cot Grinding Machine **SM – 3**



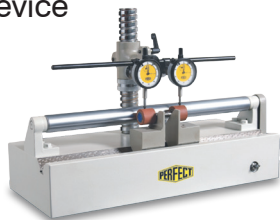
- Suitable for all types of long Top Rollers of Draw Frame, Comber and also for OE and Texturizing Machine Cots
- Grinding between centre with 25 mm wide stone
- Hydraulically operated variable table traverse
- Model **SMH-4** with same features of **SM-3** with manually operated table traverse in place of Hydraulically operated table traverse
- Power 3.37 kW

Fully Motorized Cot Checking Device **FMCC**



- For checking eccentricity and taper of all types of Top Rollers
- Fully Motorized, equipped with one dial gauge having motorized traverse

Cot Checking Device **CCD**



- For checking eccentricity and taper of all types of Top Rollers
- Motorized, equipped with two dial gauges

Shore Hardness Tester



- We also offer Shore hardness tester for checking cot rubber hardness

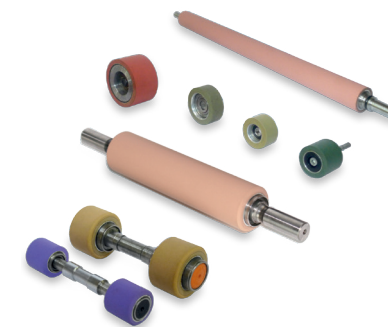
Cot Mounting Machine / Press **CMHY - V**



Cot Mounting Machine / Press CMHY - V (Vertical) CMHY - H (Horizontal)*

* Version available on request

- Suitable for mounting long cots (Draw Frame, Comber) with Aluminium core
- Rate of movement can be set
- Maximum pressure that can be exerted - 7.5 tons
- Power 2.2 kW



Horizontal Hydraulic Cot Mounting Machine **CMHY - H**



- All features are as per CMHY - V
- Power 2.2 kW

Hand Cot Mounting Machine **MCM - 4**

- For Mounting and Demounting of cots for Ring Frame, Speed Frame, O.E. and Texturizing



Cot Mounting Pneumatic Machine **CMPT**

- CMPT**
- For Mounting & Demounting of short Alucore cots of Ring Frame, Speed Frame, O.E. and Texturizing
 - Suitable Table is also available-Optional

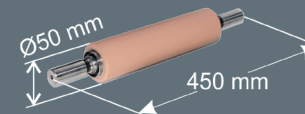
- CMPT-1**
- Heavy duty machine for friction rollers, wool spinning, murata jet spinner, for Mounting & Demounting Alucore cots on Top Rollers of Ring frame & Speed frame



Automatic UV Treatment Machine **UVT - OL**

It is proved that rubber cot surface when subjected to Ultra violet rays for preset time improves surface finish preventing lapping tendency of material under process in working condition.

- Improves Surface finish of Top Rollers
- No need for hazardous acid treatment
- Can treat any type of Top Rollers
- Auto feed magazine of Ring Frame Top Rollers
- Up to 120 Ring Frame Top roll can be treated at a time
- Continuous Process
- Power 5 kW



Maximum Diameter & Length of arbour can be accommodate in Model : UVT OL



Ultra Violet Treatment Machine **UVTM**



- Improves Surface finish Preventing lapping tendency of material under process in working condition
- Absolutely maintenance free machine
- No need for acid or any hazardous treatment
- Can process all types of cots
- Power 3.2 kW



Automatic Arbour Greasing Machine **ARG**



- Suitable for all types of Ring Frame & Speed Frame Top Rollers
- Capacity: Up to 600 ~ 800 arbours / Hr
- Both bearings lubricated simultaneously with exact quantity of grease
- Prevents excessive greasing
- Power 0.37 kw

Hand Operated Greasing System for Arbour **HARG**



- Greasing tank having 2 kg. capacity
- Calibration system calibrated delivery of grease
- Machine is operated by single handle with dual function, arbour is pushed upward to the nozzle and grease is pumped

Automatic Arbour Flusing Machine **ARF - 1**



- Fully automatic cycle
- One arbour cleaned at a time with two powerful oil jets
- Arbour rotates during cleaning
- Fully enclosed, electrically operated
- Power 0.37 kW



Automatic Arbour Flusing Machine **ARF - 8**



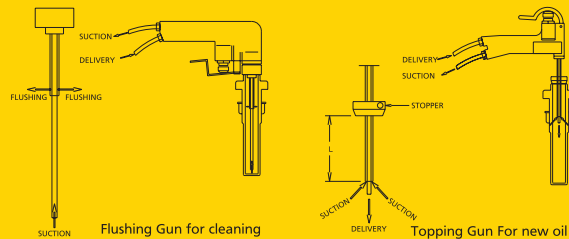
- Eight arbours can be cleaned at a time
- Sixteen powerful oil jets thoroughly clean the arbour to remove all old grease
- Arbours rotate during the flushing cycle
- Fully enclosed
- Motor 0.75 kW

Spindle Lubricating Machine **SL3** with 3 tank



Oil Tank Capacity	Topping Tank	9 Litre
	Flushing Tank	23 Litre
	Fresh Oil Tank	13 Litre
Electric Motor	Single Phase, 1 HP (0.75 kW) Induction Motor 220 / 230V / 1425 RPM	
Weight	Net Weight - 110 kg	
	Gross Weight - 170 kg	

Note : Lubrication machine is also available for worsted / Jute spinning and texturizing



Helping hand to save oil & life of Bearings in the Spindle Bolster

- Perfect Lubrication machine is for spindles to maintain bearing life for longer period
- The machine is provided with 3 Oil Tanks
- The flushing and filling of oil to the Bolsters is done by two different special oil Guns
- One gun is for flushing and the other one is for topping
- Flushing gun is fitted with flushing and sucking tube used for flushing, bearing and sucking flushed oil from the spindle bolster
- The delivery of Topping gun is meant for filling fresh oil into the Bolster. It is calibrated one
- The calibration can be adjusted by screw to the required quantity of oil to be filled in to the different size of bolster
- Since the machine is compact, it is easy to move even in narrow alley between Ring-Frames
- It works with 230V A.C. Single phase
- Power 0.75 kW

Ultimate Flyer Cleaning Machine **HOT CLEAN HP20**

Specially designed to clean Closed type flyers

- Patented cleaning machine for the cleaning of closed type flyers and fixed top driven flyers by using hot water with high pressure
- Removes micro dust & sticky material from inside the flyer tube for smooth passage of roving
- Assures perfect cleaning of every flyer

Cleaning Solution :

we recommend our tested, phosphate-free, concentrated special cleaning detergent 1000 HDF, for excellent cleaning results, and with water softening properties.

- Power 4.8 kW
- Only for Sale in India in technical collaborations with **Holz** Germany



Hydraulic Fluted Roller Truing Machine **FRTH**



Manual Fluted Roller Truing Machine **FRTM**



- For accurate identification and rectification of eccentric rollers, rods and bars with dial gauge to measure eccentricity
- Suitable for all types of Rollers up to 40 mm dia
- Dial gauge included



Clearer Roller Cleaning Machine **CRCS – AF**



- With Auto feed Magazine, Requires less man attention
- Motor operated Cleaning roller
- With Attached Pneumafill system
- Motor 1.2 kW

CRCS



CRCS

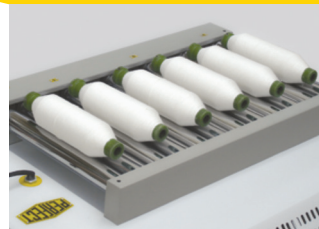
- With Attached Pneumafill system
- Power 1 kW

CRC

- With motor operated cleaning roller & brush for cleaning the above cleaning roller with hand brush for periodical cleaning of rollers
- Mounted on castor wheel for easy transportation In alley between ring frames
- Without pneumafill unit
- Power 0.37 kW

- Also available Cleaning machine for Comber Brush Roll

Roving Stripping & Opening Machine **ROS**



- For Stripping the left over Roving on bobbins
- Working on Vacuum principle
- Suitable for all size of Roving bobbins up to 450 mm bobbin height
- Motor 0.75 kW

Roving Waste Opener **RWO**



- For Opening loose Roving waste and left over Roving on bobbins
- Better Gripping thanks to special design of Feed Plate
- Pinned type beater ensures zero fibre damage
- Power 5.57 kW



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Manufacturing Facilities

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