



Explore the best in Card Service Machines



Lakshmi Card Clothing Mfg. Co. Pvt. Ltd. (LCC) incorporated in the year 1960 in technical and financial collaboration with a leading Swiss Company.

LCC belongs to the 'HOUSE OF LAKSHMI' one of the few vertically structured Textile groups in the world.

The 'HOUSE OF LAKSHMI' consists of Textile mills, Textile machinery and Accessories manufacturing units.

LCC is the largest producer of metallic card clothing and card service machines in India.

This distinction has been achieved by continuous market research, product innovation and being the first to adopt new technologies for manufacturing and quality assurance.

At LCC, we add to the value chain at every stage, right from sourcing the best raw materials to manufacturing, quality assurance, efficient sales management, prompt after sales service.

LCC manufactures complete range of Metallic, Flexible Card Clothing, Stationary flat systems & Card Service Machines.

LCC is an ISO 9001 company, a recognition of its expertise in design, manufacture, supply and after sales service of card clothing, card service machines and wire profiles.

The company is privileged to be an original equipment supplier for the leading card manufacturer Lakshmi Machine Works, India.

Strong customer-oriented R&D is the driving force behind the company's continual development in the latest technology and cost effective solutions.

LCC strives to achieve total customer satisfaction at every stage of customer interaction.

METALLIC WIRE MOUNTING EQUIPMENT

CONSTRUCTION

- ▶ User Friendly Single Bar System.
- ▶ Precision Grooving Device.
- ▶ Tensioning Device with Dressing and Pre-bending Rollers.
- ▶ Micro Butt Welder.

FEATURES

- ▶ Ideally suited for mounting all type of cylinder and doffer wires.
- ▶ A.C. inverter drive with remote control.
- ▶ Mounting speed up to 25 rpm.
- ▶ Option to mount 40" / 60" width cards.

SPECIFICATIONS

| | |
|------------------------------------|--------------------|
| Motor rating | : 1.5 hp, 1400 rpm |
| Working width | : 40" & 60" |
| Tension device calibration | : 0 to 12 kgs |
| Adjustable cylinder & doffer speed | : 0 to 25 rpm |



Cylinder / Doffer Mounting



Detachable Drive Unit



MULTI ROLLER MOUNTING MACHINE

CONSTRUCTION

- ▶ Adjustable main frame assembly.
- ▶ Rollers are seated on "V" Block.
- ▶ Invertor driving system with Remote Control.

SPECIFICATIONS

Motor rating : 1.5 hp, 1400 rpm
 Effective working width : 1600 mm

FEATURES

- ▶ Any roller upto 1600 mm length & 20" diameter can be mounted.
- ▶ Can be utilized for mounting of :
 - **Cylinder and Doffer** of all make of cards.
 - **Lickerin rollers** (grooved & interlocking type).
 - **Blowroom beaters** (grooved & interlocking type).
 - **Feed rollers and Stripper rollers.**
 - **Stripping fillets & Emery fillets.**
- ▶ Easy to operate.



Cylinder / Doffer Mounting



Interlock lickerin Mounting



Stripping Fillet Mounting



Detachable Drive Unit



MULTI ROLLER MOUNTING MACHINE

FLAT END MILLING MACHINE

CONSTRUCTION

- ▶ Mounted on a rigid fabricated steel column.
- ▶ Dual speed milling head.
- ▶ Automated milling head mechanism.
- ▶ Interchangeable template for various card models.

FEATURES

- ▶ Easily **Interchangeable Template** to achieve required milling angle.
- ▶ Simple clamping system.
- ▶ Accurate milling of flats.
- ▶ Fully automatic milling cycle.
- ▶ Supply inclusive of **Inspection Fixture Assembly** (0.01 mm Dial Guage).

SPECIFICATIONS

Motor rating (Cutter) : 1.5 hp, 1410 rpm

Carriage drive motor : 1 hp, 1400 rpm

Spindle speed

ALL CAST IRON FLATS : 250 rpm

RIETER C60 / C70 FLATS : 250 rpm

LMW LC361 / 363 FLATS : 2500 rpm



Milling Cutter



Interchangeable Template



FLAT CLIPPING MACHINE - LFCM 100

(LFCM 40 is also available)

CONSTRUCTION

- ▶ Fully automatic clipping Process.
- ▶ Programmable Logic Controller (PLC) with high safety functions.
- ▶ Electronic Pressure indicator for air pressure.
- ▶ Top Pressing Piston and Clipping to the flat bar in simultaneous operation, ensures highest precision of clipping with respect to straightness of the flat bars.
- ▶ **UNIQUE "FULLY TOP PRESSED" FLAT CLIPPING OPERATIONS.**
- ▶ Split type mounting head.
- ▶ Linear Motion Guide ways on both sides of the bed ensures smooth and accurate carriage movement.
- ▶ Supply inclusive of **Inspection Fixture Assembly** (0.01 mm Dial Guage).

SPECIFICATIONS

| | |
|-------------------------------|-------------------|
| Motor rating (Brake Motor) | : 1.5 hp, 960 rpm |
| Effective working width | : 60" & 40" |
| Pneumatic system air pressure | : 4 to 6 bar |



Split Type - "TOP PRESSED"



Pre - bending & Form Rollers



Linear Motion Guide ways



De-Clipping Attachment



FLAT CLIPPING MACHINE - LFCM 100 / LFCM 40

AUTOMATIC FLAT GRINDING MACHINE - AFGM 40

(AFGM 60 is also available)

CONSTRUCTION

- ▶ Fabricated MS frame fitted with strong side supports.
- ▶ Dynamically balanced grinding roller.
- ▶ Interchangeable Grinding plates.
- ▶ Effective Dust extraction system.
- ▶ Centralized Lubrication system.
- ▶ Supply inclusive of Ceramic Stone Truing Attachment.

FEATURES

- ▶ Capable of grinding Single or Four Flats at a time, in option.
- ▶ Accurate and Burr free grinding of Flats.
- ▶ Automatic feeding Mechanism for the roller.
- ▶ Supply inclusive of **Inspection Fixture Assembly** (0.01 mm Dial Guage).
- ▶ Provision to use 40" flats on AFGM 60 with 60" - 40" conversion.
- ▶ Capable of grinding "Single Flat" while using 60" - 40" conversion.

SPECIFICATIONS

| | |
|-------------------------|--|
| Drive motor | : 1.5 hp, 1400 rpm |
| Dust extraction | : 0.8 hp, 2880 rpm |
| For flat width | : 60" / 40" |
| Grinding roller options | : Ceramic stone (or) Emery fillet |



60" - 40" Conversion



Stone Truing Attachment



AUTOMATIC FLAT GRINDING MACHINE - AFGM 60 / AFGM 40

GRAVITA - TRAVERSE WIRE SHARPENER

CONSTRUCTION

- ▶ Cross spindle located inside the circular tube effects the traverse motion to sharpening stone fitted with gravity head.
- ▶ Better control over resharpener due to the provision of camlock and stopper pin.

FEATURES

- ▶ Suitable for all high production cards of 40" width.
- ▶ Gravitational force employed on the sharpening stone ensures gentle operation and enhances the life of clothing.
- ▶ Free movement of sharpening stone touches all wire points in each traverse.
- ▶ It allows more number of resharpener to get consistent quality.
- ▶ Easy to operate and maintenance free.

SPECIFICATIONS

| | |
|-----------------------|--------------------------------|
| Motor rating | : 0.025 kw single phase |
| Voltage | : 220 v |
| Traverse Speed | |
| Cylinder wire | : 6 meters / minute |
| Doffer wire | : 2 meters / minute |
| Total weight | : 19 kgs (excluding trolley) |



Gravity Head Abrasive element



Cam Lock Safety Mechanism



GRAVITA - TRAVERSE WIRE SHARPENER

RESTORE - ON THE CARD FLATS GRINDING MACHINE

CONSTRUCTION

- ▶ Dynamically balanced roller mounted with emeryfillet.
- ▶ Fitted with a light weight drive arrangement.
- ▶ **Light weight aluminium die cast roller.**

SPECIFICATIONS

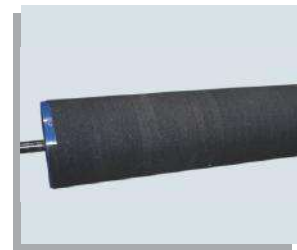
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|--|---|---|
| Motor rating | : | 0.5 hp 1440 rpm |
| Emery fillet | : | Combination of 60s & 80s grit Silicarbo No.7 |
| Emery roller speed | : | 750 rpm |
| Roller diameter for all models of Rieter / Trutzschler / Lakshmi / Crosrol MK6, MK7 | } | : 150 mm |
| Roller diameter for Crosrol MK4, MK5 | } | : 226 mm |

FEATURES

- ▶ Easy to operate and maintenance free.
- ▶ Maintains geometry of wire points.
- ▶ Ideally suited for high production cards.
- ▶ Better control over grinding.
- ▶ **Available with/without trolley, in option.**
- ▶ **Available in 40" width, 60" width for RIETER C60 / C70,
1.28 mtr width for TC 11 cards.**



Dia 150 mm Roller



Dia 226 mm Roller



RESTORE - ON THE CARD FLATS GRINDING MACHINE

MOTORISED TRAVERSE WHEEL GRINDER

CONSTRUCTION

- ▶ Self driven Traverse wheel Grinder.
- ▶ Cross spindle inside a toughened steel tube.
- ▶ **Supply scope along with trolley in option.**

FEATURES

- ▶ Vibration free run.
- ▶ Has simple truing device for dressing.
- ▶ Positive drive and uniform grinding speed.
- ▶ **Also available with pulley drive.**

SPECIFICATIONS

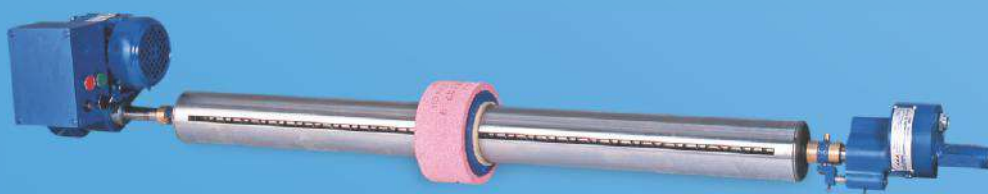
| | |
|------------------------------|---------------------|
| Motor rating | : 0.5 hp, 1380 rpm |
| Effective working width | : 40" |
| Grinding wheel diameter | : 180 mm |
| Grinding wheel specification | : 25A 54 G 19 VCR |
| Size of wheel | : 180 x 137 x 90 mm |
| Grinding roller speed | : 850 rpm |



Pulley Drive



Motor Drive



MOTORISED TRAVERSE WHEEL GRINDER

BARE CYLINDER GRINDER

CONSTRUCTION

- ▶ Rugged steel bed.
- ▶ Strong tube on ball bearings.
- ▶ Driven by electric motor through "V" Belts.
- ▶ All rotating parts are dynamically balanced.

FEATURES

- ▶ Absolutely true grinding of the cylinders/doffers.
- ▶ Can be set parallel to the cylinder by means of threaded spindles.
- ▶ Built-in dressing attachment.

SPECIFICATIONS

| | | |
|-------------------------------|---|-----------------|
| Motor rating | : | 3 hp, 1400 rpm |
| Effective working width | : | 40" & 45" |
| Grinding wheel diameter | : | 350 mm |
| Grinding stone: For cast iron | : | C36 15VG |
| For steel | : | A36 K5 V10 |
| Attainable run-out accuracy | : | 0.02 to 0.03 mm |
| Grinding roller speed | : | 1100 rpm |



BARE CYLINDER GRINDER

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