

FINIMAT Brim FR 3 Type 345

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With

- oscillating pouncing pad – for simultaneous automatic finishing of the surface of upper brim and lower one of gentlemen´s hats and capelines.
- Universal operation for pouncing, greasing, ragging, and any finishing.
- Best results – highest economy.

What the hatter is interested in

The principle of operation is new: the pads move vertically. So, the finishing surfaces of upper and lower brim are arranged vertically, too. The hat rotates around a horizontal axe. Thus, the same finish of upper and lower brim is guaranteed. The pouncing dust, consisting of ragged felt – mixed with pumice corns – cannot remain on the upper brim, but is swept downwards by the pads. The achieved effect is better because the dust can no longer ruin the felt.

The finish of the brim is effected in the same way as the finish of the crown on the FINIMAT FK 6 Head whose tools operate vertically, too. Hats finished on the FINIMAT FK 6 Head and on the FINIMAT FR 3 Brim have the same fine surface in crown and brim.

The machine works automatically. You need not to guide the hat by hand. You can finish flat brims as well as bent ones. From the exterior border of the brim to the bandline the finish is always equally smooth because the hat moves freely and does not lie on a horizontal plate. Thus, disadvantageous influences are avoided.

Unskilled workers can work on this brim finisher. The hatter needs not train any people. The hats are finished

one as fine as the next one, in an automatic way.

After each operation cycle, the pouncing / pumice paper or ragging cloth can be automatically transported an adjustable length which is rapidly adjusted on a scale. The mechanism is exact, is extremely sturdy, and guarantees an equal finish of each hat (full automatic working method).

The paper or cloth is fixed unvariably on the pad and can never glide, so that there cannot be a relative movement between paper and pad. The movement of the pads is wholly transferred to the felt surface, so that the results are better and the finish more efficient.

Time and pressure of finishing can be adjusted quickly without intervals. The adjusted scale numbers remain constant and can be controlled any time.

In changing the colour, the paper or cloth can, by pushing a button, be quickly transported a greater length. You can also stop the automatic paper feed.

The produced dust is collected in a device which is hooked up to a central dust suction device or to an exhaustor. The machine moves smooth and quietly.

What the hatter enjoys:

The FINIMAT FR 3 Brim is very dependable, very safe to operate, and requires hardly any repair.

What the industrial economist is interested in

To achieve highest rentability all technical progress known at present has been considered before constructing our FINIMAT FR 3 Brim. The machine works automatically, so that one worker can operate several machines. There is only the working time to pay for, because the machine works automatically, and one worker can operate several machines simultaneously. The operating time has been reduced to the lowest possible minimum. The machine works electro-automatically, and is steered by push buttons instead of levers, just as our FINIMATs FK 6 Head for finishing the crowns of hats are. Operating the machine just calls for hanging the hat on the transporting wheel and pushing the button „START“ to start the automatic operation. This is a matter of a few seconds. The number of machines to be operated by one operator depends on the running time prescribed by the hatter. It is possible to make one machine group with FINIMATs FK 6 Head and FINIMATs FR 3 Brim, all of them operated by one single worker. Both types of machines have fully adjustable running time adjustment so that the machines work at an optimal rate and have no dead times.

The band feed for each working cycle is regulated very exactly and is fully

adjustable, too. That keeps low the waste of pouncing paper, ragging cloth, greasing band, etc. Besides, the machine has been constructed in such a way that you can use bands of various widths. The width of the band depends on the width of the hats.

The machine requires neither current repairs nor constant replacement of expensive elements, so that the production costs are very low. There are no unexpected costs by an eventual breakdown of the machine because its operation safety is very high.

Both our FINIMAT FR 3 Brim and our FINIMAT FK 6 Head are delivered completely ready for use. There are no additional costs for starting the operation of the machine by attaching additional switches, fuses, etc. It should be connected to a central dedusting system.

The intentionally simple design reduces the costs for investment, so that the machine quickly redeems the money, particularly when you consider that the machine can be used for different finishing operations like pouncing, greasing, ragging, etc. Thus, the machine is also a payable investment for smaller hat factories and millinery shops.

What the technician is interested in

The FINIMAT FR 3 Brim is practically maintenance-free. All gears are running in oil. All bearings are made as ball bearings, roller bearings, or self-greasing bearings. Only standard types have been used. The bearings are

dimensioned so that in practice, they will run indefinitely.

The machine has been constructed as per international ISO norms in metric system. All parts are exchangeable. The complete electrical equipment is produced by the Siemens AG which has branches in all countries. The electric motors and the wires are protected by automatic elements answering to short circuit and

overcharge. The power for the machine comes from working-proof electric motors only, not from magnets.

There are all parts of the machine on our stock, so that we can deliver any spares quickly. All important tools and accessories are in the drawer box attached to the machine

Technical Data

Length	500 mm / 19,7 inch
Height	1300 mm / 51,2 inch
Width	450 mm / 17,7 inch
Weight	450 kg / 992,08 lbs

Capacity installed

1 Motor with	0,55 kW
1 Motor with	0,25kW
1 Motor with	0,18 kW
<u>1 Motor with</u>	<u>0,18 kW</u>
Total	1,16 kW

Width of pouncing pad

- a). Standard 100 mm (4 inch)
- b). Special 125 mm (5 inch) or 150 mm (6 inch)

Working time	0 to 60 sec.	free adjustable
Band feed	0 to 60 mm / 2,4 inch / cycle	fully adjustable
Pouncing pressure	0 to 12 kg / 26,46 lbs	fully adjustable
Width of pouncing pad	100 mm (4 inch), 125 mm (5 inch), 150 mm (6 inch)	
Frequency	50 cycles	
Amplitude	5 mm / 0,2 inch	

Variation in construction reserved!

