Maschinen für die Hutindustrie

Blowing Machine 8-sections Type 210

(Edition 2019)

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With

- 8 blowing chambers
- 1 Feeder
- 1 Pre-Cleaning section integrated
- 6 electric motors and 2 geared motors drives
- Picker shafts with steel pins / Picker shafts with Picker Band
- take-up shafts from silver steel / special steel
- Sieve shafts made from perforated steel.
- Wind guide shields and racketeers for wind adjustment
- with electrical lifting device for upper box as option.

The hair material mixture compound from several components is prepared in the continually operating hair preparing installation (mixing drum Type 202, Fur Transport Container Type 203, Feeder Type 205, Conical Hairmixer Type 204 with exhaustor) to blow. With this, it is guaranteed, that a good destraught, extensively dedusted and homogeneous mixture is given.

Nevertheless, in this hair material mixture undesirable components, how are kempy wool, vegetable ivory contamination, skin pieces, stuck tuft of hair and other foreign bodies, to the achievement of a perfect quality must be removed completely.

The cleaning process is carried out on the blowing machine Type 210.

The blowing machine Type 210 shows a number of devices and control elements which prove an proper result with high economic efficiency by maximum utilisation.

1. The automatic Feeder is driven by a VFD motor (Variable Frequency Drive). The band speed is with it caparatively 1:2 adjustable. In connection with the adjustable abrasive scrapper the optimum output can be reached for every hair quality.
2. The hair material is well opened by the picker shafts. Abrasive contaminations are already eliminated here. With two ventilation flaps the lift distribution fall under influence in the pre-cleaning chamber
3. The open hair material sinks as regular tuft on the sieve shaft before the first blow chamber. Two take-up shafts counter-rotating turning take up the hair tuft and bring in the quickly rotary picker shaft. This combs the hair as long as by as they are held on by both take-up shafts

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4. The pressure of the take-up shafts is regulated about a feather equipment. With too low pressure the hair slips through between the take-up shafts and is combed by the picker shaft only faultily. This entails a bad cleaning effect with high waste. Too high pressure against it can lead to hair chocking before the take-up shafts.
5. The picker shafts blows by her high extent speed the hair in the wind chambers and specifically heavy bodies are eliminated down.
   In the blow chamber the hair should freely be able to rotate, before they drop on the sieve roller. With defective rotation the output in the automatic Feeder should be reduced. The picker shafts are provided with firmly pinned steel pins (picker band as option and are dynamically balanced. The distance picker shaft / take-up shaft is adjustable and varied between 0,5 and 2,0 mm.
6. The process:
   - catch of the hair material by the take-up shafts
   – comb by picker shaft
   – blowing wisper by picker shaft to the blow chamber
   – drop of the hair on the sieve shaft
   – bring to the next take-up shaft.
   This repeated in all blow chambers in the same manner.
7. With the wind guide shields under the blow chambers it is also influenced of the hair cleansing. A high cleaning degree proves necessarily a high waste percentage low waste mostly a bad cleaning operation.
8. On the picker pins a fat dust layer which affects the cleaning effect of the blowing machine retreats with the blow.
   Therefore, it is to be seen to the fact that the picker shafts are cleaned frequently / daily.
   The cleaning of the blowing machine is easy and quickly practicable. The cleansing interval depends on the degree of contamination of the hair material. All parts to be removed for cleaning are numbered, so that mistaking assembly is excluded.
9. The upper box is raised for cleaning purposes with a handwheel about toothed rack so far that the shafts are well accessible.
   Optional we deliver an electric equipment for raising the upper box.
10. Also if requested we equip the upper box with a suspension for the sive shafts. While raising the upper box all 9 sieve shafts are taken.
    The cleaning of the machine is thereby substantially simplified and shorter.
11. The machine works practically undisturbed. An manual works fall only the restock of the automatic Feeder with hair material and the changes of the hair cases in the outlet. An

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operator can look after several machines. The achievement of the blowing machine lies with hair material of approx. 120 – 150 kg per 8 hour shift.

12. The machine is delivered ready with connection. No other costs originate by introduction.

Technical Data

	Type 7-210 8 Blowing
Space required:	
Length x Width x Height approx. mm	5000 x 1700 x 2200
Length x Width x Height approx. inch	196,9 x 66,9 x 86,6
Seaworthy packed case approx. :	
Blowing machine	
Length x Width x Height approx. mm	4160 x 1850 x 2090
Length x Width x Height approx. Inch	163,8 x 72,8 x 82,3
Feeder	
Height x Width x Length approx mm	1320 x 1350 x 1900
Height x Width x Length approx inch	52,0 x 53,2 x 74,8
Weight	
Blowing machine	
net approx kg / lbs	2240 / 4938,36
gross approx kg / lbs	2422 / 5339,60
Feeder	
net approx kg / lbs	528 / 1164,04
gross approx kg / lbs	578 / 1274,27
Power required approx kW	5

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