

Cleaning and
shearing machine

SUPER DUPLO

1000 W 230 V 50 Hz

vollenweider



The SUPER DUPLO sets totally new standards of efficiency in the cleaning of grey cloth goods to a degree previously considered impossible. In the new development based upon the proven double cuttor principle (2 shearing locations on one cylinder), particular importance was placed on cloth guidance and shearing capacity. For this aspect, only the best was good enough for our development engineers.

Other features are:

- completely creaseless cloth passage
- sensitive adjustment of cloth tension possible at each shearing location
- special attention paid to the tension in the edge zones
- each shearing location has a separate suction pipe extending over the entire width
- absolute operating reliability ensured by centralised lubrication for the shearing blades
- electronic seam control with no mechanical wearing parts
- brush box with efficient lateral ventilation
- emery covered rollers automatically swing away when machine is stopped
- inflex and delivery combinations to customer's special requirements
- direct current drive, speed steplessly adjustable from 10–100 m/min, acc. to fabrics.

The SUPER DUPLO can be supplied for fabric widths up to a maximum 1600/1900/2300/2700/3100 mm.



The process

The untreated material is conducted with maximum precision to the shearing blades with all surface threads — regardless of length — being cleanly cut off and with the entire surface subjected to an intensive cleaning operation. Furthermore the shearing process is totally free of interference from the "edge flutter" phenomenon.

Profitability

Savings in the piece goods cleaning operation together with an increase in quality from the aspect of the cleanliness of the untreated material, yield an astonishingly short amortization time. Complaints arising from the presence of surface threads will become a thing of the past.

To sum up

The SUPER DUPLO cloth cleaning and shearing machine is of paramount importance to every forward-looking mill. It'll pay you too, to evaluate it!

Fig. 1 Fruits as shown above are now a thing of the past with the cloth cleaning and shearing machine SUPER DUPLO

Fig. 2 Even with such selvages, the shearing process is of the highest quality

Fig. 3 Thanks to supplementary cutter unit extremely brief stoppage when changing the cutter

Fig. 4 Complete line of the SUPER DUPLO with sewing station and automatic cloth inspection



Necessity

Even though high quality woven fabrics can still be produced on looms and hence using weaving machines, with the natural fibre yarns, a certain level of defects that some way breaks will occur. A cleaning of the fabric, therefore, continues to be a necessity. The amount of dirt and how many thread ends are broken off into the beat and filter unit, even with modern fabrics.

Reliability

The removing of the surface threads is certainly the responsibility of the weaver, one can't, however, rely on their work. On the other hand it is not economically feasible to increase the workload of the weaver with such insignificant tasks. With the SUPER DUPLO, you can't lose any yarn, because the SUPER DUPLO offers reliability.

Cleaness

Everything which is removed from the woven fabric with the cleaning process, and this will be quite a considerable amount, cannot disappear the openwork of wet finishing. Also, the visual cloth inspection will be a cleaner process. The efficiency of the inspector is 20% to 30% higher with SUPER DUPLO than with other machines, and this with an improved fault detection accuracy.

Future-oriented

The cleaning and steaming machine SUPER DUPLO brings the process to such a level of cleanliness that it is possible to apply a computer-aided automatic fabric inspection installation.



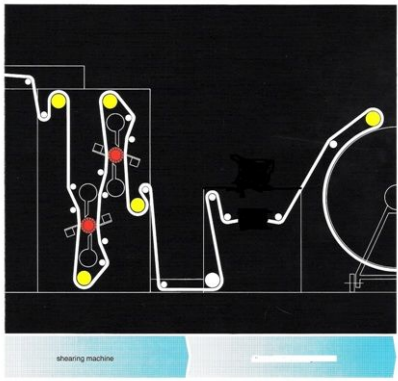
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