schoen + sandt machinery GmbH

Cutting machines pro*LINE*

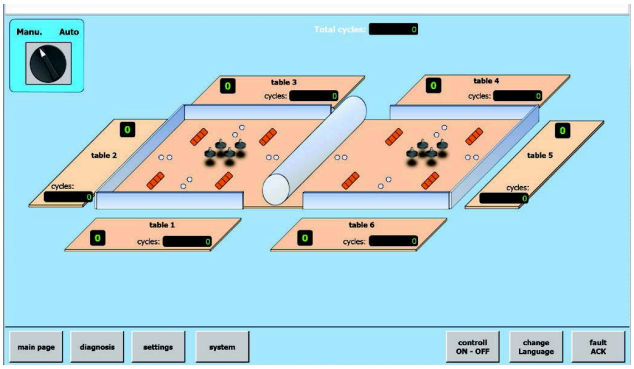
7320

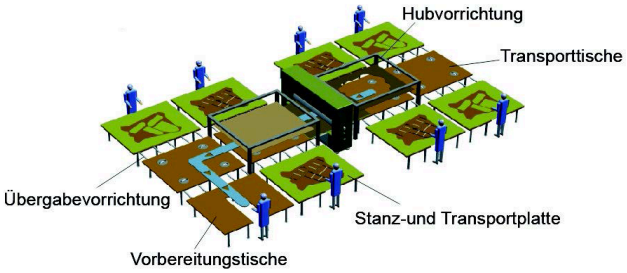
Elektro-mechanic Roller Cutting Machine

Technical specification

Cutting force in kN	200
Size of the preparation tables in mm	2500 x 3000
Passage between the two steel rollers in mm	20 - 150
Transport speed in m/min	20 - 40
Working height in mm	800
Motor drive in kW	2 x 3

Program structure





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Functional description

Material and cutting dies are loaded on the cutting board. By pressing the start button the request is stored in the PLC and shown on the touch panel. The cutting boards will be handled in the sequence the start buttons are pushed on related preparation tables.

The guide bar at the transport table is automatically lowered, the transfer devices swing out and the cutting board is manually pushed onto the transport table until its onward movement is undertaken by the transport wheels.

When the cutting board rests completely on the transport table, the lifting device lowers and places the „sandwich“ board onto the cutting dies. The transport wheels swivel and transport the cutting board between the cutting rollers through the machine. Thereby the leather hide is cut continuously.

The sandwich height can be chosen separately for each preparation table (0,1 mm steps) and is controlled via light barrier on infeed and outfeed side of the cutting area.

Once the cutting board has completely passed through the machine, the transport wheels are stopped and steel rollers are changed over for the return transportation of the cutting board. The upper cutting roller is lifted to avoid double cuts.
As soon as the cutting board is returned to its initial position under the first lifting device, the sandwich board is removed and the cutting board is partially moved by the driven transport wheels and then manually back onto the preparation table. After removing of the cut parts, the cutting board can be prepared for the next pass through the machine.

Your benefits

- Separately synchronized drives for steel cutting rollers – no mechanical wear parts
- “Sandwich” design, different heights can be chosen for each preparation table
- less wear of cutting dies and cutting boards
- Electrical drive will be switched-on only when required - energy optimization
- Siemens S7 PLC with menu guided touch screen panel - easy (clear text) and trouble-free operation,
- long-time availability of spare parts
- Ergonomic working height of 800 mm
- Machine can be extended by up to 10 preparation tables
- Remote control available via VPN connection

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