

# Innovations

# WÖHLER

The world's leader in production systems for...

- Strip & Roll Brushes
- Flexible Strip Brushes
- Twist Knot Brushes
- Brush & Mini Segments
- Dental & Polishing Brushes
- End Brushes
- Street Sweeper Brushes
- Twist-In Brushes
- Tufts & Cosmetic Brushes
- Paint & Artist Brushes

Our machinery range also includes...

- Punching Tools
- Trimming & Cutting Equipment
- Wire Crimping, Straightening & Flattening Equipment
- Brushing Machines
- Specialty Machines



## the World of Brushmaking Machines

## Innovations in the World of Brushmaking Machines



# WÖHLER

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# Production Systems

## Twist Knot Production

### Assembly Robot for Twist Knot and Wheel Brush Segments

Automatic system for robotic assembly of crimped parts out of magazine segments. The robot takes the brush machine. This advanced system offers the absolutely highest flexibility in brush assembly. Depending on cycle times a single robot can often serve multiple processes. The high production speed is realised independently of manpower, raising productivity and reducing costs.



## Polishing Brush Production

### PBM 904

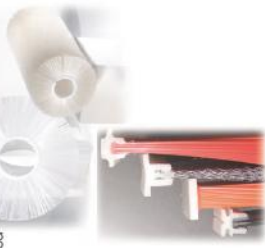
Fully automatic production of lathe brushes with metal centre and optional plastic inserts for polishing applications using inner rings and bristle picker. The PBM 904 also allows the semi-automatic production of polishing brushes, whereby the prepared fill material bundle with inner ring is manually fed by the operator. The eyelets and cover plates are automatically fed on the 4-station turntable. Transfer of the assembled brushes into the Trimming Station PBT 50 can either be done automatically or manually by the operator. The machine offers perfect fill distribution in various kinds of fill materials like horsehair, goat hair or synthetics.



## Street Sweeper Production

### PVM 87 XL

Automatic production of segments and packages with wire, poly and mixed fill, especially designed for producing flat and convoluted brushes with traditional metal ring, brushes with extruded PP ring, fused PP packages, straight PP strips as well as formed strip parts. The universal nature of the machine not only allows the production of all conventional products but also new, advanced products like roof or ski mat brushes.



## Flexible Strip Brush Production

### MSB 960

Production of flexible strip brushes by fusing synthetic filaments together with an extruded profile. Product applications range from the straight replacement of strip brushes, strips in end form, from the simple design of wound systems or self-supporting package systems right up to products for fitting in various injection moulded parts. Virtually any required profile form can be produced.

- No material loss and low raw material costs compared to metal strips
- High density and closed fill
- Continuous production of endless strips

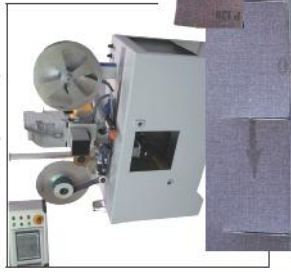


## Laser Cutting

### L 200 WSC

Automatic laser device with scanner head and programming as well as band feeder for high speed cutting of sandpaper at 10 m<sup>2</sup>/min.

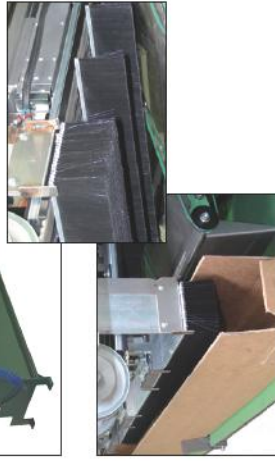
The machine is especially adjusted to common coil band dimensions up to 150 mm. The L 200 WSC features easy programming and user-defined



## Strip Brush Production

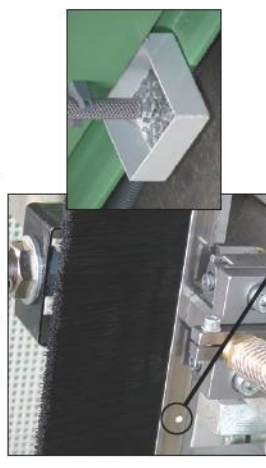
### SBM 92 and SGE

Traditional strip brush production on the SBM 92 with the new, inline Transfer and Ejection System SGE for automatic deposing of 1 m to 5 m long strips. The SGE offers both the fully automatic, defined stacking and packing of magnetic strips and the single depositing of Y-profiles and non-magnetic strips in cardboard boxes.



### HPD 80

Single hole punching device specially designed for strips up to 5 m in length, replacing strip insertion into aluminium holders. The HPD 80 is equipped with accurate hole positioning by coupling with the Cutting Device MSA 4 and with height adjustment for changing the hole position. Different tools allow the punching of hole diameters up to 7 mm.



## Hank Wrapping - Labelling - Cutting

### W 250

New wrapping, packing, labelling and cutting device for hanks from 45 to 60 mm with paper or foil. The wrapping speed and grade are electronically and continuously variable and optimised for the wrapping process with gluing.

The machine is equipped with a gripper for labelling tool transfer and with automatic paper and foil cutting by AS type stock cutters.



### DA 660

Especially suited to crimping and cutting round hard-drawn and oil tempered wire in lengths of up to 660 mm. The machine is equipped with conveyor belt speed control and is also able to produce fleece mat sections. The DA 660 can easily be connected to existing machines, like waters or winders and is able to produce the typical, variable fill densities as required for snow broom and airport brushes.

The DA 660 is also used together with the new Airport Cassette Machine GB 90.

