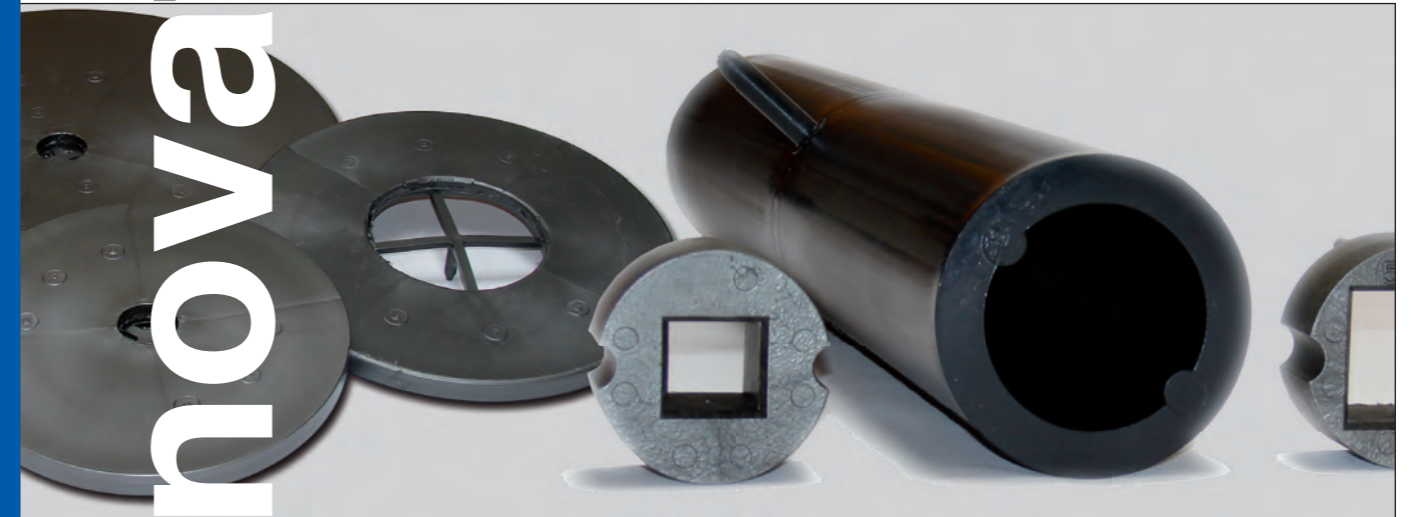


theWorldof Brushmaking Machines

Innovations



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

Innovations in the World of Brushmaking Machines



Street Sweeper Production

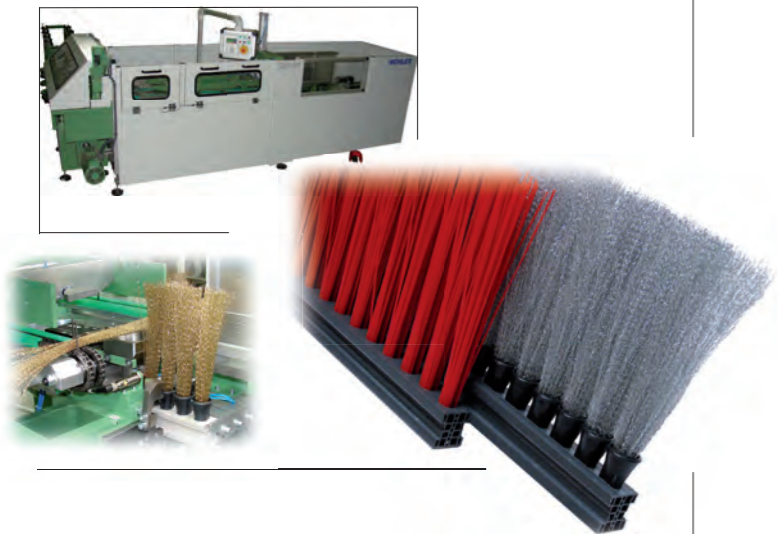
Plastic Brush Body Moulding BBM 700

Modular extrusion system for the production of brush bodies and even tubes in PP, PE or in a particularly low-cost recycled material mix. The system can be fitted out for operating with a single mould or up to 10 moulds. An outer station can be used for positioning any required tools in various sizes. Every single mould can be separately controlled by the touch screen control. The machine stands out for its economical production of individual brush bodies, tubes and finished products as well as for its low investment costs and high returns. The required geometries can be easily regulated by speed, pressure, time and cooling control.



Cassette Brush Machine GB 90

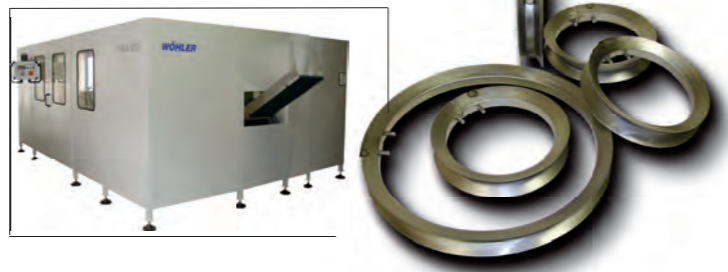
The GB 90 is specially designed for the production of single brush bundles as well as ready assembled cassette brushes. Mounted on a shaft these cassette brushes are used specifically for the cleaning of airport runways. The machine is equipped with feeding of the pre-assembled cassette, in which the single plastic parts are already inserted. The machine also incorporates automatic bending, cutting and inserting of wire from spool. Automatic crimping of wire directly from Z 2 coils also possible for greatest possible production cost reduction. Special features are the automatic separation of the retaining wire as well as the automatic push in of the retaining wire and its automatic insertion into the ready bundles.



Street Sweeper Production

Ring Production RWA 250, NIS 900, PL 100

Fully automatic ring production line RWA 250 including ring calibration and rivet inserting unit NIS 900 as well as spot welder PL 100. The rings are fixed with pins and the spot welder ensures constant quality in one shot. The machine produces 10 rings/min. and features fast change over and easy handling for perfect ring quality and high cost-effectiveness.



Rope Cutting and Pressing Unit RCU 20

The machine is specially designed for cutting and pressing steel wire ropes as used in weed brushes. The machine is equipped with a CNC controlled rope tractor feeding unit, which allows adjustment of the feed length and speed. Also available as fully automatic model.



Automation

Brushing Machine B 94

Fully automatic robotic cell for the inline surface processing of metal parts. The machine is of modular construction with multiple stations and robotics including camera control for part identification. The brushes, with their heat resistant diamond bristles and high durability, ensure excellent cleaning without changes in the grinding pattern. The robotic machine offers high flexibility and individual programming for additional tasks.



Automation

Assembly Robot for Twist Knot and Wheel Brush Segments

Automatic system for robotic assembly of crimped wire and twist knot segments. The robot takes parts out of magazines as well as directly from 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.



Bundle Production

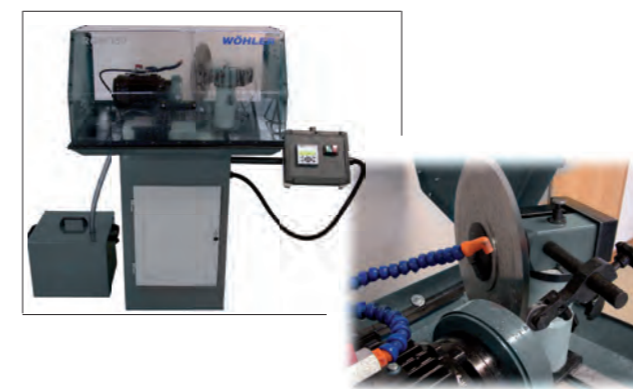
Levelling Device LD 30

The LD 30 is specially designed for perfect alignment and levelling of cut bundles. The device forms the bundles by means of a fulling process between a transport belt and counter track. During the fulling process the bundles are also squared up and aligned lengthwise. Rotation of the bundles during this process ensures perfectly right-angled and level bundles.



Round Blade Grinding Machine RBG 350

Special machine for automatic grinding of round blades used in stock cutters. The RBG 350 is equipped with a boron nitride grinding disk, pump cooling and bushing. The device offers an easy input of infeed and interval steps. Clamping device for diameters from 100-350 mm.



Brush Segment Production

BSM 83 HD

Brush segment machine BSM 83 as high density model, offering high flexibility in the fill quantity for different materials and a large variation in brush density for eyelet sizes from ID 20 to 180 mm. In addition to the constructional innovations, such as the automatic feeding of up to 24 tubes, the new software offers a high production rate of about 4 brushes/min. The automatic tube filling available for feeding from hank and/or magazine guarantees perfect distribution and minimum loss of material. Latest patented system for the production of segments without eyelets.



Wire Crimping Production

USTW 6000

Special new crimping and automatic hank production system offering high flexibility especially for small orders. The USTW 6000 allows the production of a multi-stranded hank either from a single or multiple spools at a speed of up to 6 m/s. The number of strands per hank is freely programmable and the machine can be combined with the STS 460 device for producing even higher quality hanks on spools.

