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Press release

Brush production for the street cleaning by a machine of Roth Composite Machinery

Burgwald. For the manufacture of brushes and brooms for the purpose of street cleaning, Roth Composite Machinery offers tailor-made machine solutions. The traditional company located in Burgwald developed a production line for the manufacture of roller brushes, strip brushes and disk brushes in close dialogue with a French customer. Having a height of almost three metres and a weight of twelve tons, it is one of the largest machines belonging to the VP series of the manufacturer.

The production line is suitable for the manufacture of brushes for sweepers being used in the public service. It offers various innovations: Besides the three-channel material box for making one brush with three different kinds of bristles, the new concept of changing carriers enables a highly flexible use of all basic bodies.

Furthermore, a double drilling machine is integrated. The machine is newly designed with servo motors and its advantage is a simple programming for the brush-making. It is equipped with a freely programmable PC control. The frame for strip brushes is designed as radial frame.

Technology in detail

The brush-making machine with five axes allows a separate drilling and filling at a production speed of 150 bundles per minute. It is processing a maximum brush length of 2500 millimetres (strip brushes and roller brushes). Owing to the large tool stroke of 350 millimeters, the processing of unfolded material up to a length of 700 millimetres is possible. The machine is suitable for the manufacture of disk brushes with a diameter of up to 1000 millimetres in two working steps and a position of the bundles of up to 50° inclination. It is manufacturing roller brushes having diameters of up to 650 millimetres. The production line enables the manufacture of strip brushes of heights of up to 300 millimetres in one working step and heights of up to 500 millimetres in two working steps.

Dennis Brückner, Plant Manager at Roth Composite Machinery in Burgwald declares: "Our brush-making machines are characterized by high efficiency and a very quiet operating process. The brush designs can be changed over fast and easily. The first-class quality of our machines is based on our know-how of almost 100 years."



Tradition, Innovation, Quality

Roth Composite Machinery – formerly Schlesinger – manufactures machines for the production of **brushes and brooms** being used in household and industry.

There is hardly a country in the world where no machine from Burgwald is found. Roth offers an innovative range of carousel, universal and trimming machines. The manufacturer is developing tailor-made machines exactly based on the customer's requirements. Thereby, innovation, high quality and technology standards as well as excellent worldwide customer service are the main features.

One brand – many strengths

Roth Composite Machinery designs and builds components, machines as well as complete production lines in the business fields "Filament Winding & Prepeg", "Pleating & Coating" as well as "Brushes & Brooms". The company's headquarters are situated in Steffenberg, additional locations are in Burgwald and Dautphetal.

Originated from the merger of the two special machinery manufacturers EHA and Schlesinger, Roth Composite Machinery belongs to the family company Roth Industries GmbH & Co. KG having approximately 1,250 employees all over the world. Roth Industries is one of the most innovative companies in the area building and industrial engineering.

DATA & FACTS

Production line: Brush-making machine for roller, strip and disk brushes.

- 5 axes
- three-channel material box
- integrated double drilling machine
- max. brush length 2500 mm (strip and roller brushes)
- 350 mm tool stroke
- disk brushes having diameters of up to 600 mm in one working step and up to 1000 mm in two working steps; maximum bundle position of 50°
- rollers of diameters of up to 650 mm and a maximum bundle position of 30°
- strip brushes of heights of up to 300 mm in one working step and up to 500 mm in two working steps; maximum bundle position (height and side) of 30°
- weight: 12 t
- electrical power supply: 5 kW
- freely programmable PC control

Engineering: Roth Composite Machinery,
Burgwald, Germany.

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Image capture for file RCM_WA-BFA21-E5.jpg

Roller brush-making machine WA-BFA21/E5:

The machine for the production of brushes of Roth Composite Machinery manufactures roller, strip and disk brushes. It has a production speed of 150 bundles per minute when having a tool stroke of 350 millimetres.



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Material box: For material lengths of 200 to 700 millimetres. It is possible to process three different bristle colours and bristles having two different material lengths.



Image capture for file RCM_MKX7542.jpg

The 2-spindle drilling station enables the generation of blind holes as well as through bores for fastening the brush or for inserting flat wire in one working step.



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The radial frame enables the manufacture of brushes having lengths of up to 2500 millimetres. In the process, the bristles can be punched via the horizontal axis with variably adjustable angles.



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Frame for disk brushes: For the manufacture of disk brushes of diameters of up to 600 millimetres in one working step and diameters of up to 1000 millimetres in two working steps.

About Roth Composite Machinery

Roth Composite Machinery is an expert in the field of special machinery construction – the company develops, designs and builds components, machines as well as complete production lines in the business areas

- Filament Winding & Prepreg
- Pleating & Coating
- Brushes & Brooms

About Roth Industries

Roth Industries GmbH & Co. KG comprising various firms and around 1,250 employees all over the world is one of the most innovative companies in the areas

- Building Solutions - Divisions: Energy Systems, Sanitary Systems, Environmental Systems
- Industrial Solutions – Divisions: Composite Technology, Plastic Technology, Hydraulic Technology

The head office of the medium-sized traditional company is located in Dautphetal, Hesse. While the company's strategic direction, the controlling, auditing as well as the balance and financial planning is effected from there, the local employees are responsible for the development, production and marketing of the products.

27 production and sales companies of Roth Industries are acting all over the world - in core segments as world market leader.

Roth Industries bundles all activities of the companies belonging to the group in Germany and abroad. The company is owned by the Roth family to 100 %.

Competence in
● energy ● water ● plastics

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