

SPIKED ROLLERS

tambula 

precision in perforation

Precision with Tradition **CUSTOM-MADE SPIKED PARTS**

Established in Starnberg in 1945, tambula originally manufactured wooden spiked lags for tearing cylinders. In 1995 Gerald Koinzer took over the company and moved to the business facilities of the Georg Koinzer company in Bebra and the production of aluminum spiked lags with modern CNC machines was started. In 1999 a specialist with many years of working experience in the production of spiked rollers joined the company and a corresponding branch of production was established.

Today we dispose of various modern CNC lathes and 4-axis machining centers up to 12 m in length. Special high-performance drilling centers guarantee the highest possible precision as well as reasonable production prices. Well-trained qualified personnel ensure a consistently high quality of our products and to keep it that way the junior staff are also trained in the tambula company.

Consulting engineers from Europe and a very wide range of users worldwide rely on our company and have become regular customers.

In the early stages we always advise our customers extensively. Our experience and our testing of your product ensure optimized solutions. The proper spiked roller manufactured with the highest possible precision and supplied at favorable prices provides the suitable economical solution for your manufacturing problem. Our customers are well versed in their line of business and they really do know where to get the best individual solutions for their specific needs. This is our great strength! The long-standing partnerships with our customers, suppliers and employees confirm our concept.

Precision Made in Germany **SPIKED ROLLERS**

Normally our spiked rollers consist of segments (perforation and micro-perforation) or complete spiked rollers (opening or transport rollers). Only first-class steel pins made in Germany are used.

Our spiked rollers are suitable for:

- perforation
- punching
- transport
- opening of fibre
- and a lot of other functions



Step by Step Perfection

SPIKED ROLLERSEGMENTS

Spiked roller segments can be produced as follows:

- diameter from 10 to 400 mm
- length of 5 to 200 mm (the overall width is composed of several segments connected with each other)
- pins from 0.3 to 8 mm of hardened and/or stainless steel
- pin densities up to 100 pins per m²
- pin carriers of brass, steel, aluminum, plastic material
- with or without core
- different attachment and twist protection options



Hot Stuff **SPIKED ROLLERS FOR HOTPERFORATION**

They can either be produced out of brass or, if the temperatures exceed 400° C out of steel.

The viewing windows of bags for bread rolls, for example, are produced with our spiked rollers in a hot perforation process. For a surface without perforation, the spiked rollers are partly provided without pins.

All from a Single Source **COMPLETE SPIKED ROLLERS**

According to their purpose of use the complete spiked rollers can be composed very differently. For the opening of fibers the pins are glued into big aluminum bodies.



Normally perforation rollers consist of single segments, which are mounted on a shaft or on a tube. In order to reduce the inertia, the tube can be seated on the rigidly mounted shaft. If the spiked roller is to be driven, the segments must be attached firmly to the shaft.



Permanent Impression

EMBOSSING ROLLERS

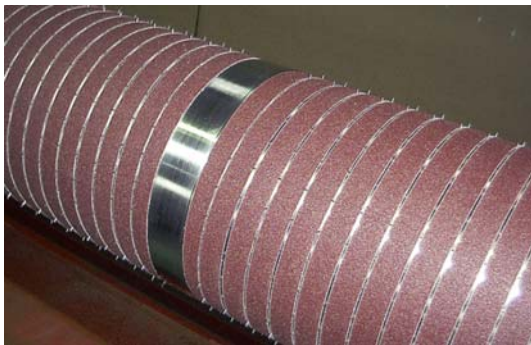
For the production of embossing rollers we only use round pins. When the pins have been inserted, the embossing roller is grinded to the intended diameter and the borders are deburred and rounded depending on the application. The pin diameters can be selected optionally. Any desired picture is possible as long as a minimum of 0.3 mm of material is left between the round pins. Our embossing rollers are used for foil production or equipment as well as for the production of sanitary products.

The Right one for the Desired Purpose of Application.

SPECIALROLLERS

Spike-tooth rollers, tried and tested thousands of times, with a diameter of 20 mm, for example, are used for the transport of edge banders in woodworking machines.

Only a part of our biggest spiked rollers is displayed here, since they are more than 4 m long. They are massive steel rollers, spiked and covered with a friction lining.



Such oversized spiked rollers are used for the transport of carpets out of carpet weaving machines. Very high loads have to be accommodated, so that these rollers have to be produced from one shaft.

Individual and Cheap SPECIAL PARTS

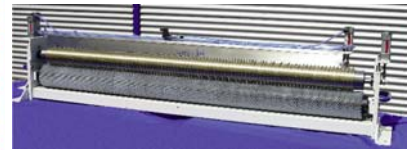
Spiked parts of any form are our core competence. Excellent machinery, committed professionals and an open ear for innovative solutions qualify tambula also in areas, which do not directly concern spiked rollers.

Unconventional products require unconventional solutions. Ask us!

We Work Systematically MACHINES AND DEVICES

We are your system partner from a simple device to a complete machine.

- Standard perforation devices as module system at reasonable prices with manual or automatic roller adjustment
- Perforation devices adapted to your machine and its special conditions
- Perforation systems with driven rollers
- Hot perforation systems for foils and nonwovens.



DEVICES

Our module system is the cheapest possibility of integrating a perforation simply and flexibly into your system. Any desired working width and the possibility of optionally integrating a manual or pneumatic adjustment meets most of the requirements and makes a flexible application of the different devices possible. The perforation depth is exactly adjustable. Commercially available brush rollers are used as counter pressure rollers by default. The coverage of the rollers ensures the necessary occupational safety.



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In the Center of Germany **CANTRAL LOCATION**

tambula Textilmaschinenteile GmbH is located in the North of Hesse in the easily accessible center of Germany.



tambula 

tambula GmbH

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