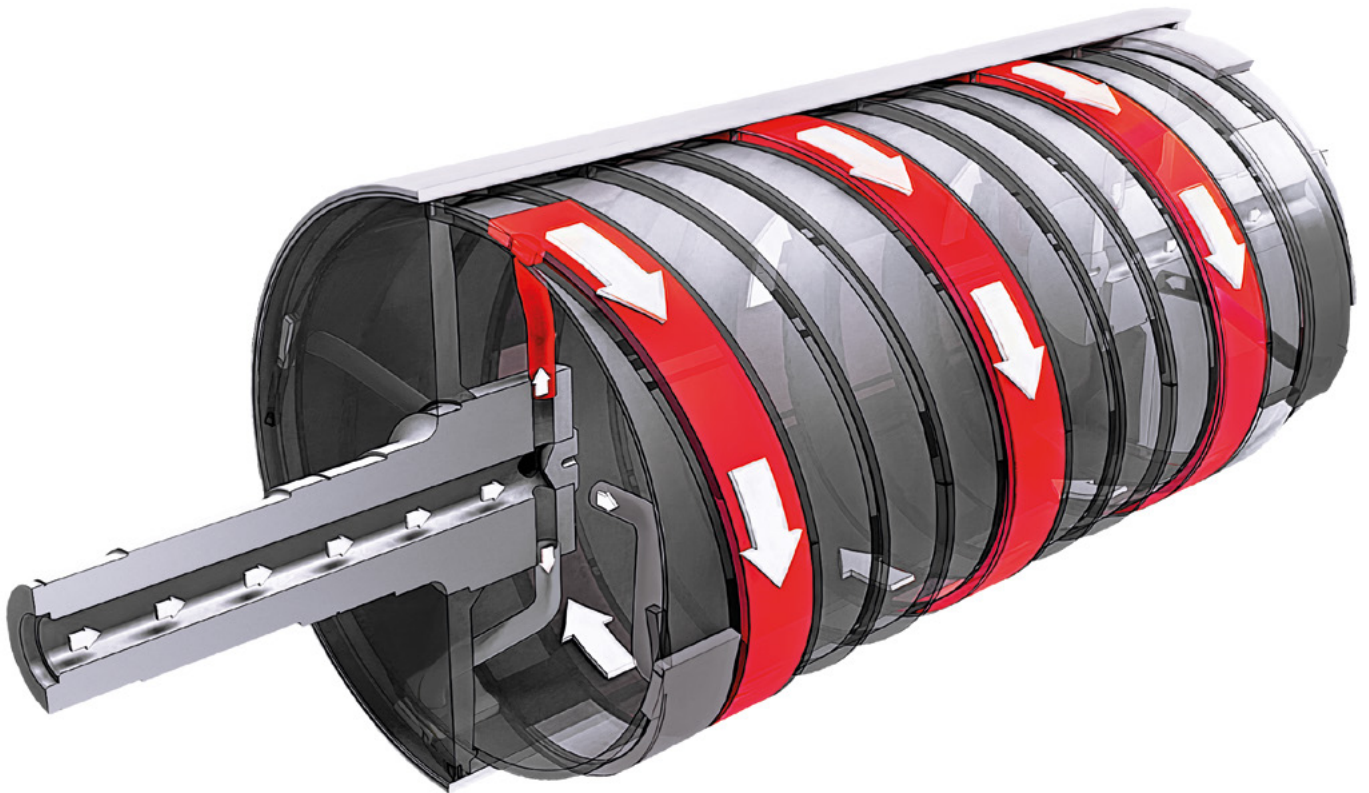




# TECHNICAL ROLLS



We build production benefits

**WUMAG**  
texroll 

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# TECHNICAL ROLLS

WUMAG TEXROLL rolls have demonstrated efficiency in the production machines of various sectors such as the plastics, textile, rubber, chemical, printing, wood and paper industries. The optimisation of all products to the respective customer and procedure-specific request is the guiding principle of our engineers. The most modern technologies are used for thermodynamic, flow-technical and mechanical design. High-performance production machinery and the knowledge of experienced workers provide for the exceptional quality of WUMAG TEXROLL rolls.

Facts:

Highly efficient heating and cooling rolls represent the core of our production programme. The heat transfer media is guided through spiral flow channels in a unidirectional or counterflow direction as well as with increasing turbulence along the channels. According to the customer specification, the rolls are finished with various types of surface treatments, e.g.: hard-chrome plating, or rubber, Teflon or plasma coatings. Water flow channels can be chemically nickel-plated. The product range includes rolls with a diameter of up to 3,400 mm, a roll length of up to 15,100 mm and a maximum individual weight of 27 t.



## EXAMPLES OF OUR PRODUCTION RANGE

- Chill rolls for mono- and biaxial foil stretching plants with the highest precision under working conditions, Ø 3,400 mm, true running 0.01 mm
- Single- or double-shell cooling rolls used in pull roll stacks of biaxial foil stretching plants with extreme diameter to length ratios, especially dynamically balanced in multiple levels with documentation of S1 and S2 unbalance
- Rolls with stainless steel cladding manufactured according to the WUMAG TEXROLL method
- Thermo oil heated calender and heat-setting rolls for needled felt and papermakers' felt with an executed surface length of up to 15,100 mm, highest temperature accuracy of < 1 °C measured across whole surface
- Counterpressure cylinders up to Ø 3,400 mm for flexo printing machines, specified and documented true running of < 7 µm under working conditions
- Thermo oil heated doubleshell heating rolls used in coating lines for heat-setting and curing processes, Ø 1,000 mm - Ø 3,000 mm, surface width 1,000 mm - 5,400 mm
- Steam heated double-shell rolls with stainless steel outer shell for manufacturing of technical textiles
- Double-shell rolls with copper shell for highest cooling capacity at high linear pressure loads used in extrusion coating lines
- Thermo oil heated rolls used in double-belt presses for manufacturing of wood laminate flooring
- Copper-coated cooled currency transfer rolls

### LEARN MORE ABOUT THIS PRODUCT ONLINE!



Please scan the QR code on the left or enter the following link into your browser:  
[www.wumag-texroll.de/technicalrolls](http://www.wumag-texroll.de/technicalrolls)

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