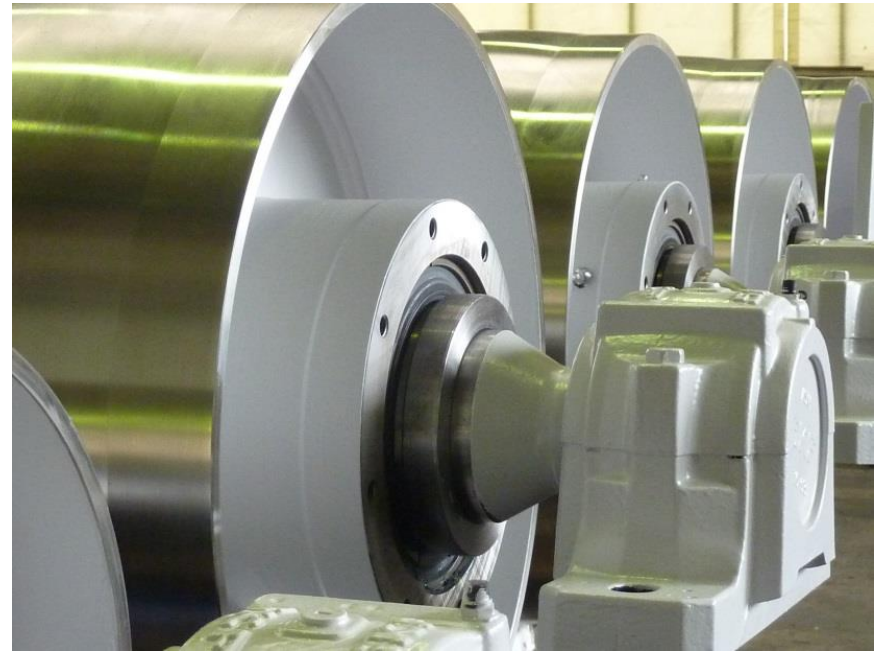


Today KRAFFT is a leading roller manufacturer in Europe.

The product range contains rolls, cylinders, drums and similar heavy turning components within a wide range of dimensions which allows the manufacture of such items for paper machines of any width:

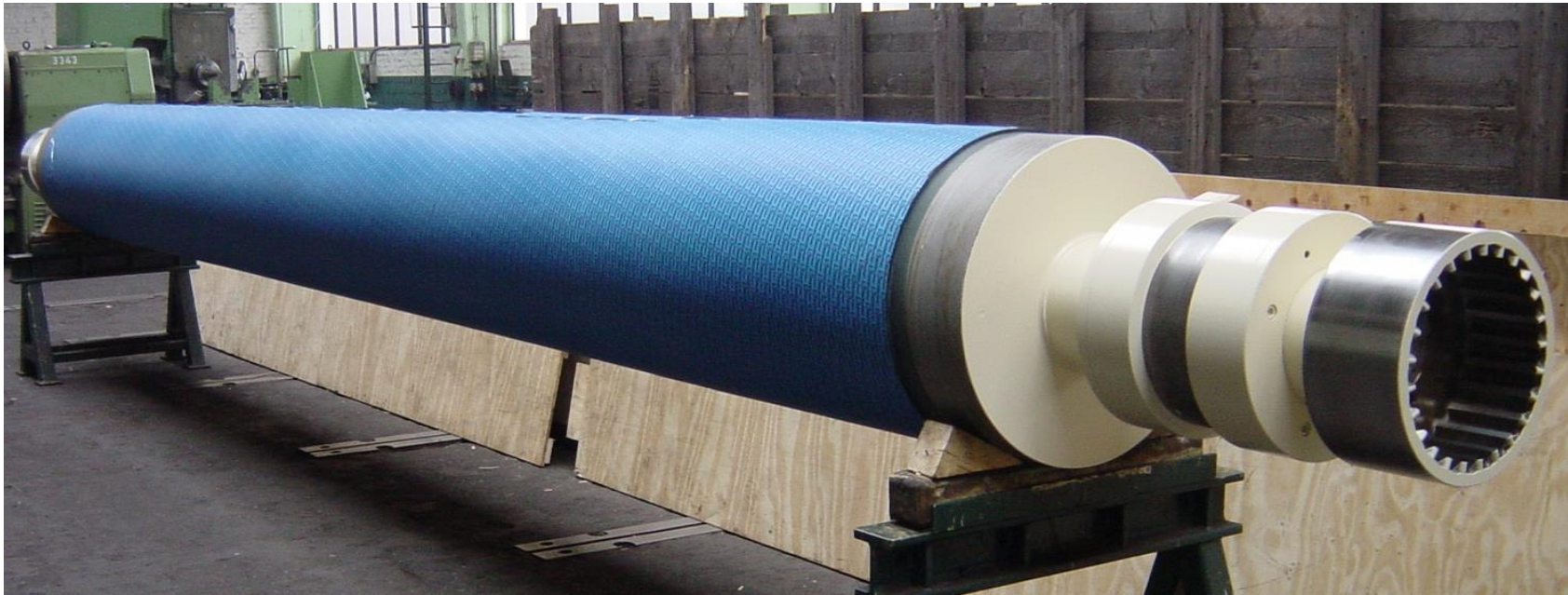
Maximum length	15.000 mm
Maximum diameter	5.500 mm
Maximum weight	100 t

KRAFFT operates as an independent supplier of entire roller systems, i.e. they can be provided including any requested surface plating (e.g. rubber, PU, chrome, etc.) and bearings or similar accessories.



Thus Reel-Spools are a core product of KRAFFT.

Designing rolls in the own design office, KRAFFT makes use of their long-term experience, self-created software for technical calculations and FEM-analysis. On the one hand to determine load peaks, on the other hand to avoid weak spots in a design.



Either a **Wire-Stabilisation-Roll** (WSR) has been introduced by KRAFFT recently. This roll compensates the deflection of the standard wire-guide-rolls. This way the wire achieves a longer lifetime. It consists of a tube-in-tube design where the outer shell is dimensioned to the load, which stiffens the middle of the roll and allows the ends to bend elastically. Due to this bending of the roller body no speed difference appears, opposite to a crowned shape. The tension of the fabric is more equal across the width of the paper which saves the fabrics and covers of the rolls. To achieve the required tension minimum of the fabric only a smaller total tension has to be applied.

For all rollers that are installed in high-speed applications have to undergo a qualified balancing process. State of the art is a dynamic balancing procedure, carried out in three plains. KRAFFT has introduced this technique already some 20 years ago and was one of the first roll manufacturers to install and use the related equipment. For all elastic rollers the know-how about critical and semi-critical rotation speed is a pre-condition to guarantee an operation free from vibrations and insufficient run-out.



Heavy Rollers

The company's production facilities allow also the processing and manufacture of exceptional components. Whereas the paper and textile industry requires more and more longer rolls due to increasing web widths, other applications ask for especially large diameters.

KRAFFT is equipped for these demands and has the machines for the processing within the scope of the maximum dimensions as mentioned above. Accordingly crane capacities for weights of up to 130 tons are available.

As well as for the long and slim turning compounds and also for the enormous masses of a heating drum with a diameter of four or five meters for example, one needs skilled, considerate and experienced specialists, both in development and engineering as well as in manufacturing.

Machining Abilities

max. length 15.000 mm
max. diameter 5.500 mm
max. weight 130 t

