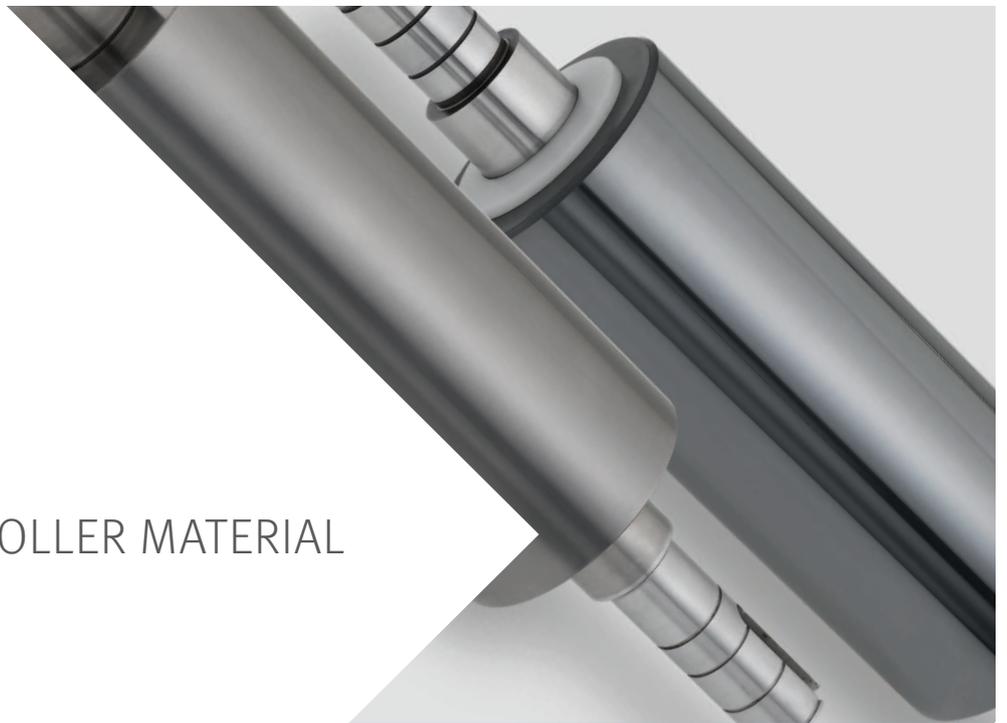




## ROLLER MATERIAL



## HIGHLIGHTS

- › Metallic and ceramic roller materials
- › Consulting to select the right roller material for your application
- › Product trials in our Technikum in Norderstedt, Germany
- › Roller repair at our factory
- › Highest manufacturing standards and longevity
- › Quality „Made in Germany“

For optimum results, we offer rollers in different metallic or ceramic materials and surfaces for our Three Roll Mills. Whether chemically inert, metal-free, extremely wear resistant and low wear, corrosion-resistant or particularly easy to clean in order to prevent cross-contamination – we will advise you which type of roller is best suited to your applications. Depending on the EXAKT Three Roll Mill system of your choice you can select between rollers with metallic surfaces, such as hard chromium plated and tungsten carbide, or ceramic surfaces, such as aluminium oxide and silicon carbide. In addition, several of our S- and E-LINE EXAKT Three Roll Mill systems can be equipped also with pressure less or pressurized temperature control system.

In addition, we provide scraper knives made from a range of materials, suitable for the application and the roller material used.



# TECHNICAL DATA

## ROLLER MATERIAL

### Hard Chromium Plated

Surface Roughness	0,03–0,05 $\mu\text{m}$
Wear Resistance*	adequate
Dry-Running Properties*	low
Temperature Control*	very good
Cleaning capability	very good



### Tungsten Carbide

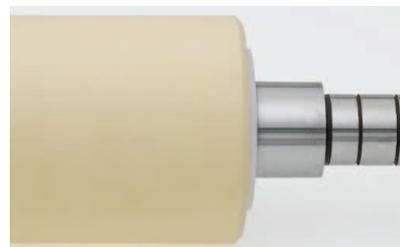
Surface Roughness	$< 0,25 \mu\text{m}$
Wear Resistance*	very good
Dry-Running Properties*	adequate
Temperature Control*	very good
Cleaning capability	good



## CERAMIC ROLLER MATERIAL

### Aluminium Oxide

Surface Roughness	0,5–1 $\mu\text{m}$
Wear Resistance*	very good
Dry-Running Properties*	adequate
Temperature Control*	low
Cleaning capability	adequate



### Silicon Carbide

Surface Roughness	0,03–0,05 $\mu\text{m}$
Wear Resistance*	very good
Dry-Running Properties*	adequate
Temperature Control*	good
Cleaning capability	very good



\* Above mentioned roller characteristics are to be understood as a comparative presentation between the four different roller materials.