

FKM fundamentals

Non-woven Rolls

Polyurethane Rolls

Ceramic Rolls

Rubber Rolls

Specialty Services



Productivity Through Innovation



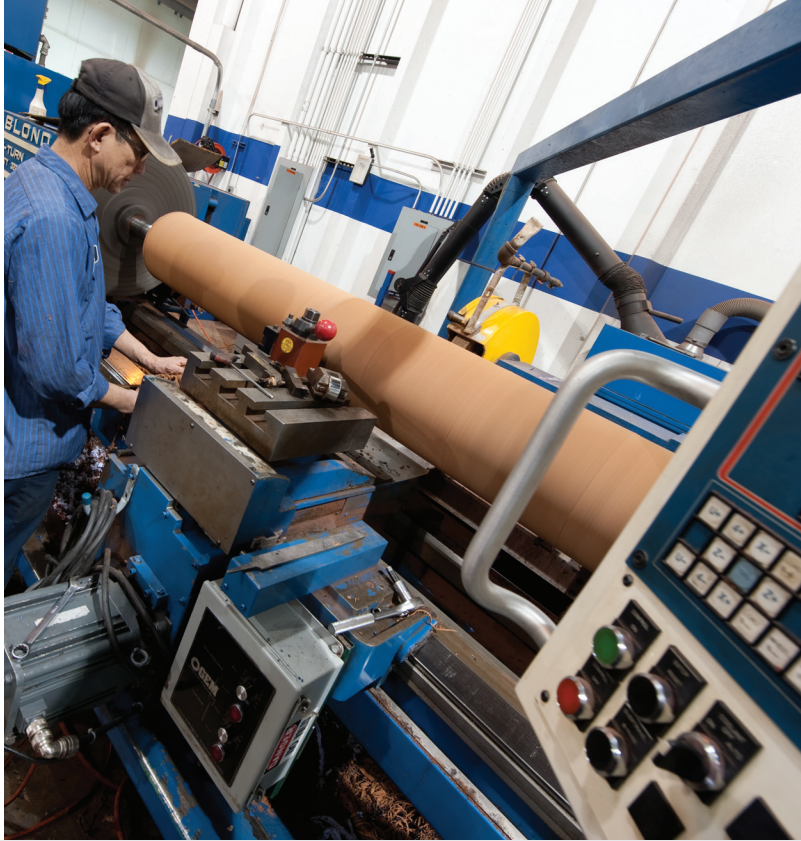
Singular focus

At FKM, we understand that you come first. Your need for a reliable, quality-focused and cost-conscious supply partner is paramount. Service is the fundamental principle our company was founded on in 1967, and it is key to our mission today. From engineering through manufacturing and installation and logistics support, our singular focus is ensuring you reap positive results and that we exceed your expectations. From pickup to delivery with our dedicated trucks and everything in between, our customers rely on us to tackle tough problems. And we deliver results – cost effective solutions to address complex issues – tailored to suit your specific needs.

Knowledge sharing between our facilities in the USA, Germany and China fuel innovative thinking.

The industrial roll products that we manufacture serve a wide variety of applications including the steel and flat rolled metal industry as well as the paper, film, textile and automotive industries. Our extensive product line includes lightweight carbon and glass fiber roll technologies, rotary cast polyurethane rolls, and non-woven rolls.

With each project we attune our product to precisely meet the application requirements for you, our customer.



Rotary casting

Our advanced rotary casting process eliminates the need for molds and can produce a diverse mix of polyester and polyether covers. The process directly deposits a highly reactive mix of polyurethane reagents onto solid, hollow steel or lightweight fiberglass cores. Within minutes the covers are cast, after curing for a day, are ready for surface finishing. Quick and energy efficient, the process allows us to cast without first having to remove bearings and housings from the journals, saving additional time and cost. We are capable of casting and finishing small rolls from a few inches long to large rolls up to 12.7m (500in) long and 2.1m (86in) in diameter.



Nonwoven covers

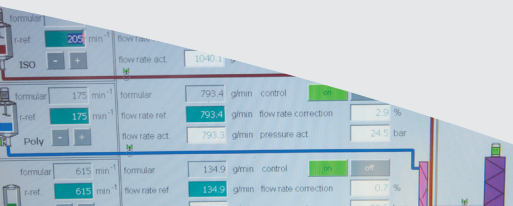
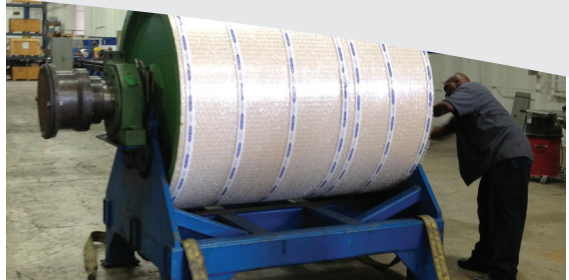
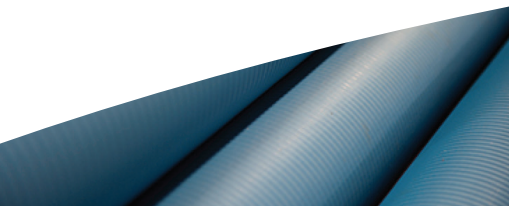
Unique to the roll manufacturing industry, FKM formulates proprietary fiber and binder systems to produce a variety of purposefully engineered nonwovens. Produced on captive Freudenberg lines, these application-specific fabrics – some in their third generation – are reserved for our customers. Combined with strict production standards and a highly vertical, controlled production environment, we are able to hold tight product standards. Each step of manufacturing, from die cutting through pressing and finishing is managed under one roof. We employ high-speed, CNC die cutting, custom-built servo-driven presses and CNC turning/finishing lathes. We are capable of pressing rolls of up to 5.4m (212in) long and 2.1m (86in) in diameter.

Global support

Results driven

Problem-solvers at heart, we look at things differently and approach challenges holistically. American ingenuity coupled with German attention to detail drives precise, value-added results. This combination fuels in-house R&D and aligns with our vertically integrated manufacturing to ensure that we produce purposeful and dependable products that are consistently the highest quality.

Our expertise in material science, combined with extensive manufacturing skills and exposure to diverse industrial applications, makes us a resourceful supply partner.



Process expertise

Aluminum and stainless
Flat roll metals
Paper and films
Primary metals
Stamping
Steel processing
Textiles
Yellow metals
Tensioning applications
Pre-coated materials
Finishing lines

Production technology

Finite element analysis
Materials sciences
Micro-finishing
PU rotary casting
Roll regrinds
Roll repair
Die checking journals
Stub and journal repair
Bearing specification
Lightweight core design
Core build, balancing and repair

Support capabilities

Roll design and FEA
Fluid compatibility analysis
'Dirt' analysis and elimination
Roll maintenance
Emergency response
Application training
Process improvement
Machine design guidance
Application value analysis
Program management
Transportation logistics



boardroom



main office



reception



transportation



ASIA

FKM CHINA, DR.

Freudenberg Roll Technologies (Kun Shan)
Company Limited
Ju Jin Lu 223
Zhangpu Town
Kunshan City, PR China
t. +86 512-5727 5700
China Mobile Phone: +86 139 12 68 22 55
f. +49 (0) 203.58.4618

EUROPE

FKM WALZENTECHNIK

Stempelstr 2-4
D-47167 Duisburg
Germany
t. +49 (0) 203.58.1805
f. +49 (0) 203.58.4618

NORTH AMERICA

FKM USA

21950 S. LaGrange Rd.
Frankfort, IL 60423
t. +815.469.2473
f. +815.469.3591