

Application Bulletin

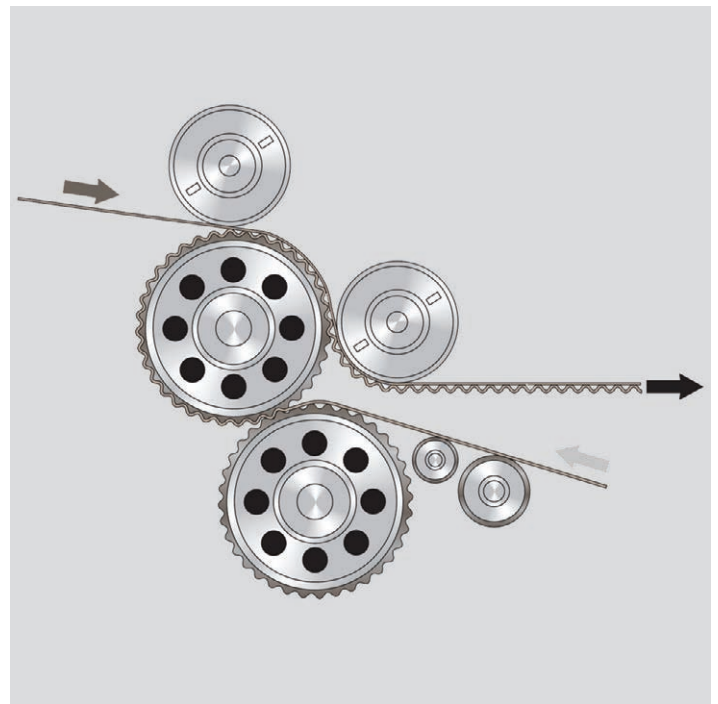
Pulp, Paper and Printing

Paper Manufacture – Corrugating Rolls

Corrugating rolls flute linerboard or fluting medium as part of the process to create corrugated board. The profile depends on tightly controlled specifications for the shape and height of the flute and the degree of finish roughness. Corrugating rolls are subject to wear over time. Refinishing the surface of these components is a very expensive operation because of their fluted geometry.

The Oerlikon Metco Solution

Oerlikon Metco's powders combine a fine particle size distribution with a very fine carbide grain size. When applied using our gas-fuel or liquid-fuel HVOF equipment produce highly abrasion-resistant coatings with very smooth as-sprayed surfaces that minimize finishing costs while significantly extending the service life of the corrugating roll.



Recommended Oerlikon Metco Products

WOKA 3111 FC	For extremely smooth surfaces with an as-sprayed roughness of Ra 1.5 to 2.5 μm that are wear-resistant at temperatures below 500 °C (930 °F) in non-corrosive media
WOKA 3110 FC	
WOKA 3654 FC	Fine as-sprayed surface texture with high abrasion resistance
HVOF Systems	HVOF gas and liquid fuel thermal spray application systems; use of liquid fuel is recommended.

More Information

DSMTS-0044

DSMTS-0025

HVOF Solutions

Information is subject to change without prior notice.