

India's only Manufacturer of Mill Rolls made from NCCM (3M) Material



Manufacturing Plant at Ambarnath



Inner View of Plant



ECK HAUBOLD & LAXMI

A Unit of THE SIRDAR CARBONIC GAS CO. LTD.

Plot No. B-24, Anand Nagar, MIDC, Addl. Ambarnath - 421 501, Dist. Thane.

Tel. : +91 - 251 - 655 3571/2 Telefax : +91 - 251 - 262 0908

E-mail : kvg@eckhauboldlaxmi.com / akj@eckhauboldlaxmi.com

visit us at www.eckhauboldlaxmi.com

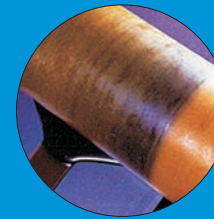
Regd. Office :

Sir Vithaldas Chambers, 16, Mumbai Samachar Marg, Fort, Mumbai - 400 001.

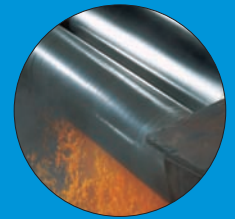
Tel. : +91 - 22 - 22840332 / Telefax : +91 - 22 - 22842595



Wringer /
Squeegee Rolls



Oiler / De-oiler Rolls



Rolls for Chemical Appl.

ECK MILL ROLLS

A Step towards saving, performance & life
with NCCM (3M) material & technology



ECK Mill Rolls

Proven effective in a wide variety of applications.



Main Application of ECK Mill Rolls

- | | |
|---------------------------|----------------------------|
| Cold Strip Mills | Automotive Blank Washers |
| Senzimir Mills | Continuous pickling lines |
| Galvanizing Lines | Continuous Annealing Lines |
| Electro Galvanizing Lines | Cleaning Lines |
| Coil Coating Lines | Tin Plating Lines |
| Slitting Lines | Stamping & Embossing Lines |
| Aluminium Sheet Lines | Copper & Brass Sheet Lines |

The ECK Mill Roll is considered the finest special fiber roll covering for primary metal and AOEM stamping operations. ECK Mill rolls are the only rolls in the market place made from 3M's - USA leading special fiber technology.

Outstanding Characteristics of material :

Bonded together with a tough flexible adhesive for a unique combination of characteristics : Life, Cut Resistance, Fluid Control, Coefficient of Friction, Strength, self healing, porosity, and absorbency.

They can make a significant contribution to increased productivity in the following ways:

More Uptime

ECK Mill Rolls can last significantly longer than rubber rolls, so they require changing less frequently, which can result in fewer unplanned stops.

Increased Line Speeds and Productivity

Due to higher friction durability and improved line control in certain applications, the ECK Mill Roll has been able to more than double line speeds.

Reduced Chemical Cost

By reducing carry-out and cross-contamination, ECK Mill Rolls can help reduce your oil or chemical consumption – and cut the cost of waste disposal.

Reduced Maintenance Cost

Because they are self-healing and resistant to cuts and gouges, ECK Mill Rolls require fewer repairs than can rob you of productivity. When problems do occur, ECK Mill Rolls are easily repaired, avoiding the cost of roll replacement.

ECK Mill Rolls

Higher coefficient of friction for faster line speed and more

Improved Process Quality and Control

The uniform porosity of ECK Mill Rolls, and their ability to maintain tight contact with the coil, makes thinner, more to maintain tight contact with the coil, makes thinner, more consistent coatings. And their high coefficient of friction reduces slippage and hydroplaning, for better material control.

Maintain Integrity of Process Fluids

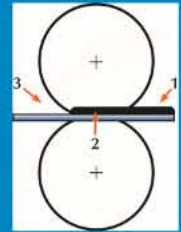
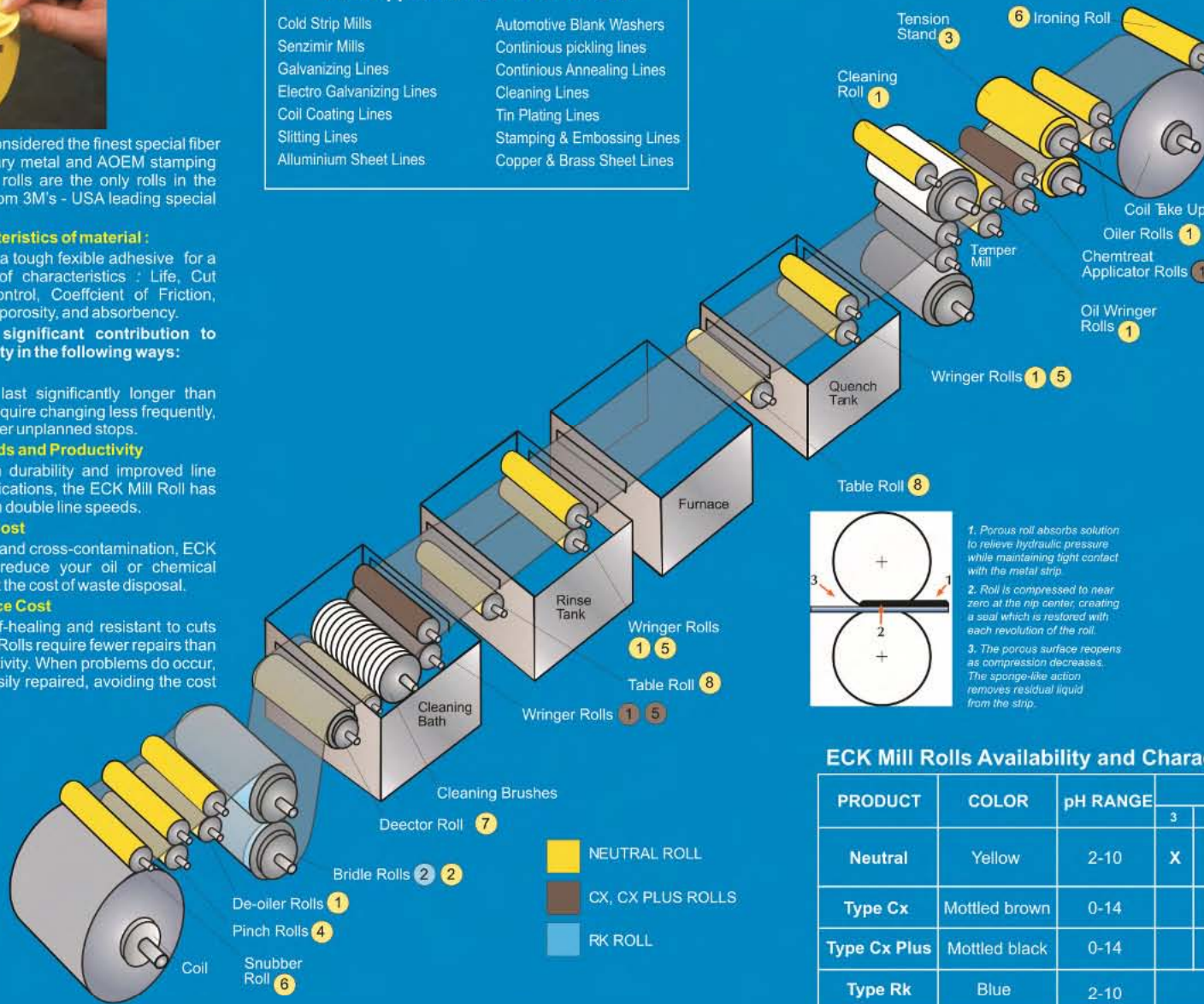
The compressibility and porosity of ECK Mill Rolls allows them to conform to variations in gauge thickness and maintain consistently tight contact across the strip. This not only ensures uniform wringing, but has also demonstrated a significant reduction in carry-out of chemical from tank to tank, and reduced staining.

Fewer Defects on Coil Surface

Metal shards and debris can become trapped on the surface of rubber rolls, causing defects on the coil. The porous non-woven material of ECK Mill Rolls tends to "pull" small particles into itself, where it is less likely to come into contact with the coil.

Lower Energy Costs

Because of their high coefficient of friction, the use of ECK Mill Rolls can often eliminate the need for auxiliary motor – while in most cases allowing faster line speeds and better tracking. And, because they provide through, uniform wringing, ECK Mill Rolls can reduce or eliminate the need for mechanical drying in many applications.



ECK MILL ROLLS	
• Compressible; resist cutting, gouging for more up time	
• Porous, open surface for consistent strip contact even when wet.	
• Repairable for better return on your investment.	
• Self-healing for more up time compared to rubber rolls.	
• High coefficient of friction on many surfaces for better material control.	

ECK Mill Rolls Availability and Characteristics

PRODUCT	COLOR	pH RANGE	DENSITY					TYPICAL APPLICATIONS
			3	5	7	9	11	
Neutral	Yellow	2-10	X	X	X	X	X	• Wringing • Ironing • Oil Applicator • Bridle • Tensioning • Steering Rolls • Deflector • Snubber • De-oiling • Metering
Type Cx	Mottled brown	0-14		X	X			• Wringing applicator for chemtreat solutions • Wringer for chemical solutions
Type Cx Plus	Mottled black	0-14			X			• Wringing applicator for chemtreat solutions / Higher pressure and temperature capability
Type Rk	Blue	2-10	NA					• Bridle • Snubber • Table Rolls

A variety of sizes are available. Contact ECK Mill Product Specialist
Before placing an order, please fill out a separate copy of data sheet for each application. Or for each workstation.