



Eck Haubold & Laxmi®
A Unit Of Hindoostan Mills Ltd

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Polyamide Bowl Technology



For High Performance
Textile Finishing Application



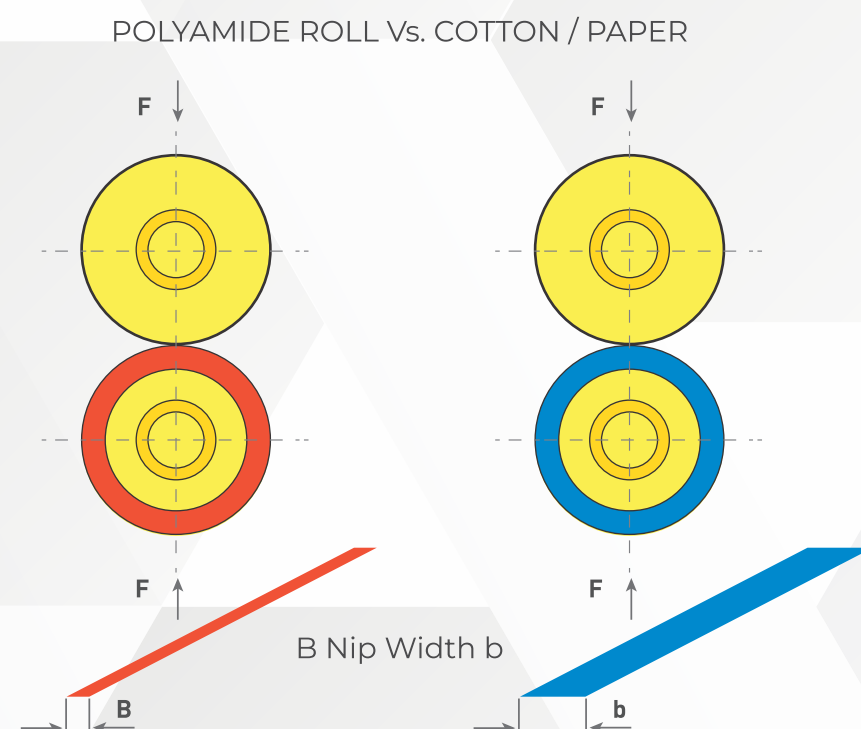
Construction



Polyamide Rolls comprise of spun-cast sleeve (approximately 50-65mm thick) manufactured from the highest quality polymers, fitted to a precision engineered carbon steel solid shaft. Polyamide sleeves are cast on industry leading equipment ensuring the optimum density and elasticity throughout. Carefully mixing and temperature control of the polymers combined with excellent pressure control during casting, guarantees that every polyamide sleeve is perfectly cast for optimum performance. (Note: Inferior cast polyamide type sleeves in the market are susceptible to hot spots caused by uneven density, bad polymerisation and short polymers). Internal water cooling can be utilised in Polyamide Rolls. The Polyamide unique water cooling system is effective in cooling the complete surface of the roll. Water cooling enables continuous operation under the most extreme conditions (maximum steel roll temperatures of upto approximately 180°C). For continuous operation, Polyamide rolls can withstand upto approximately 110°C surface temperature.



Nip Line



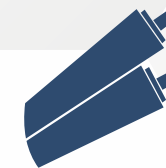
Advantages

- Much longer service life
- No 'running-in' required
- Different material widths can be run without edge marking problems
- Higher hardness combined with better elasticity
- Resistant to most commonly used processing chemicals
- Higher resistance to the embossing effects of selvages, sewing seams, creases & knots etc.
- Low maintenance
- Old cotton/paper roll can be easily converted into Polyamide Rolls (subject to hardness & thickness)

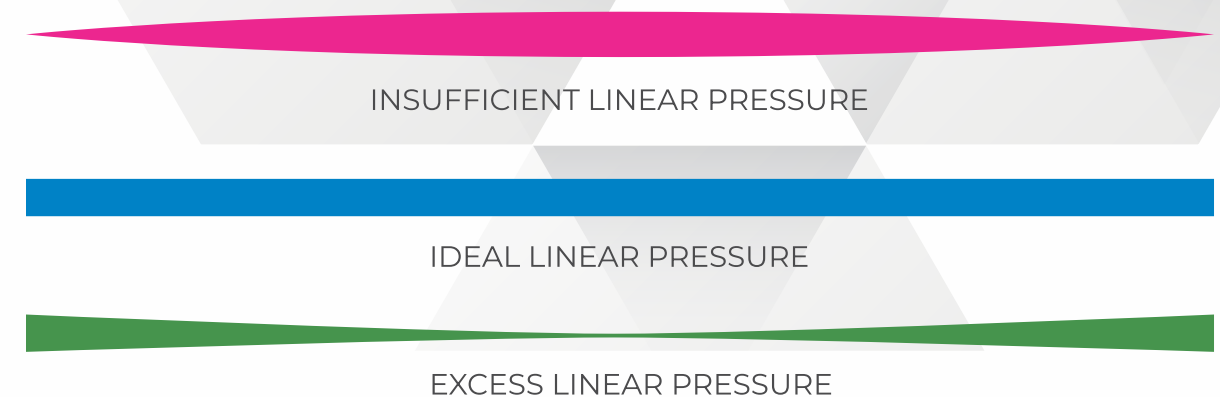


Performance Benefits

- Better smoothing/calendering effect
- Excellent glazing effect when used in conjunction with a highly polished steel roll
- Polyamide Roll can be remachined several times
- Running stability enables higher and more homogeneous lustre at higher speeds
- Polyamide produces excellent lustre/feel/matte effects when used in combination with cotton rolls



Nip Line Between Two Cambered Rolls



Maximum Running Conditions

Maximum Linear Pressure	350kg/cm
Maximum Speed	200m/min
Maximum Surface Temperature of Heated Steel Roll	180°C
Maximum Surface Temperature of Polyamide Roll	110° Sleeve