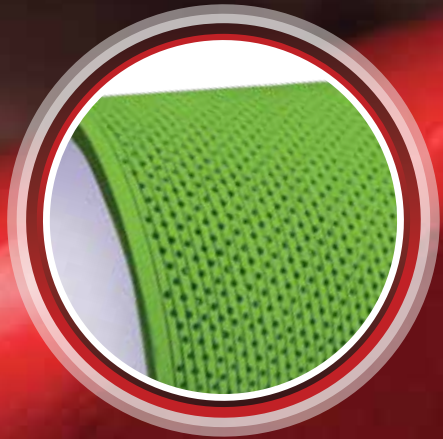


ASHOKA

• Ceramic • Polyurethane • Composite



Ghaziabad • Ahmedabad

Building your Trust In Rollers

Textile | Paper | Cement | Steel | Printing | Packaging



CERAMIC ROLLS

Ceramic Rolls

ASHOKA ROLLS LLP developed Most advance New Generation Ceramic Rolls for Paper Mill and other Allied Industries with the European Technology.

Our developed in house Ceramic coating with European technology can be used in various type of rollers where there are need of good release property as well as doctoring characteristics.

Ceramic has an extreme wear resistance, extreme chemical resistance, extreme corrosion protection which makes it an attractive choice for :

- Center Press Roll
- Wire Guide Roll
- Felt Guide Roll
- Paper Guide Roll
- Breast Roll
- Wire Drive Roll

Maximum Coating Thickness :
3-10mm (may be increase on request)

Maximum Hardness :
upto 95 SHORE D (depending upon application)

Minimum & Maximum Temperature :
10-140 Degree C





To meet the demand of the changing and challenging market-like Indian Kraft Mills speed are being increase and furnace quality are going down day by day. Paper Mills need to produce more high quality product they must find ways to produce faster while maintaining high quality and reducing down time to keep up with demand for packaging grade, coated Board, tissue, newsprint ,office paper and more.

- Replacing rubber covers with a high quality ceramic coating not only retains the original surface quality of your rolls, but also reduces the time and cost of maintenance and unplanned downtime.

Key Advantage of Ceramic coatings:

- Improved paper quality via better release of stickies
- Superior corrosion protection
- Greater product uniformity due to high coating density
- High hardness of ceramic eliminates wet-end roll changes due to wear
- Higher Gloss
- Easy to Clean & Higher Better doctoring
- Higher resistance to the barring
- Extended life of felt roll covers
- Increased machine speed
- Improved sheet profiles
- Reduced maintenance costs
- Rolls require fewer re-grinds
- Reduced downtime



Comparison of PU Rollers Vs Rubber Roller

Polyurethane rollers outperform rubber rollers in industrial uses because they're more durable and can carry heavier loads, resist chemicals better, and handle tough conditions well.

Polyurethane (PU) rollers have several advantages over rubber rollers in the paper industry, including:

Durability: PU rollers can last up to four times longer than rubber rollers, which can help reduce downtime and increase productivity.

Chemical Resistance: PU rollers have better chemical resistance than rubber rollers.

Abrasion Resistance: PU rollers are more resistant to abrasion than rubber rollers.

Wet Environments: PU rollers perform better than rubber rollers in wet environments or when submerged for long periods of time.

Versatility: PU rollers can be customised for specific hardness & resilience in approved food grade formulations.

- **Jumbo Press Blind Drill Roll**
- **Suction Press Roll**
- **Felt Guide Roll**
- **Applicator Roll**
- **Backing Roll**
- **Reel Spool Roll**
- **Size Press Roll**

Grip: PU rollers grip better than rubber or plastic rollers, making them ideal for shifting and grabbing smooth materials like glass or sanded wood.

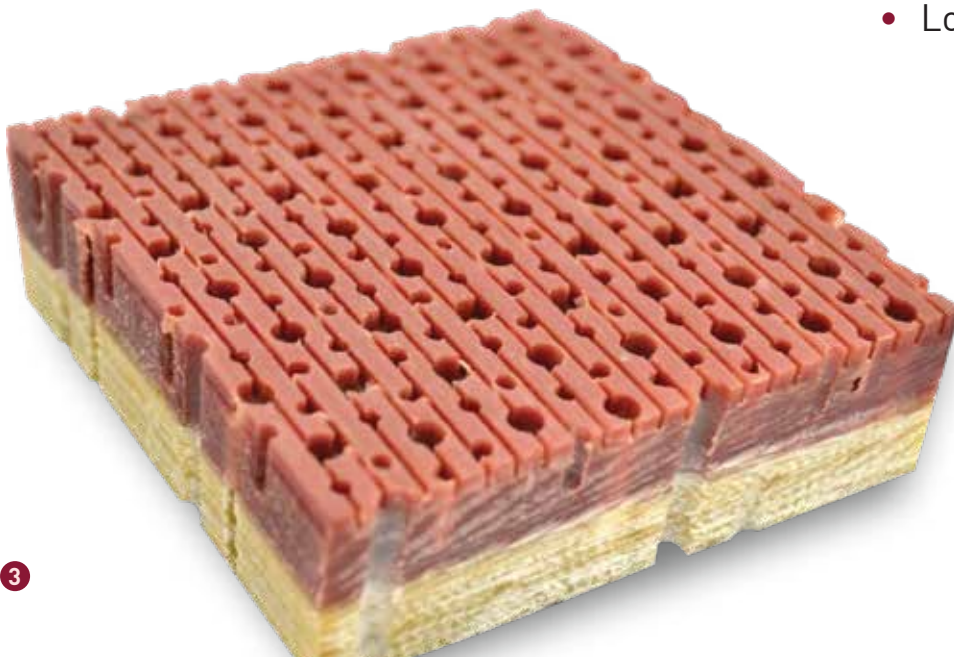
Cost: PU rollers are often less expensive if compare in respect of life & performance than rubber

In summary, PU rollers save money and increase productivity, making them a smart cost saving option.



Key Advantage of PU

- Superior Durability
- Higher load bearing capacity
- Better Chemical Resistance
- Inhance performance in harsh enviroiment
- Lower maintenance



Ribbon Flow Polyurethane Composite Roller

ASHOKA ROLLS developed Polyurethane covering and Reinforced Composite Rollers for Paper Industry with the latest technology of Three component Ribbon Flow machine.

Our PU covering can be used in all paper machine applications, such as Forming Section, Press Section, Size-Press & Coating sections, especially where severe operating conditions of the rollers require particularly high-performance coatings.

Length Capacity : 8000mm

Diameter : 1800 mm

Weight: 40 tons



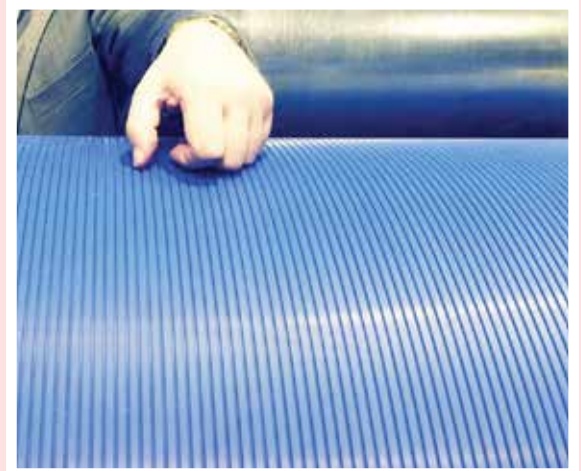
Composite Roller

Composite rollers are used in the paper industry because they have many advantages over traditional metal rollers, including:

- Durability
- Resistance to corrosion
- Run smooth on the high temperature
- Run smooth on the challenging environment Like harsh chemical
- Lighter weight & Stiffer

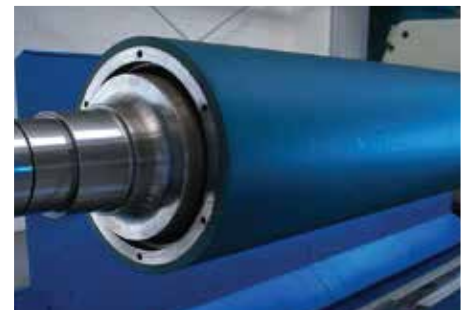
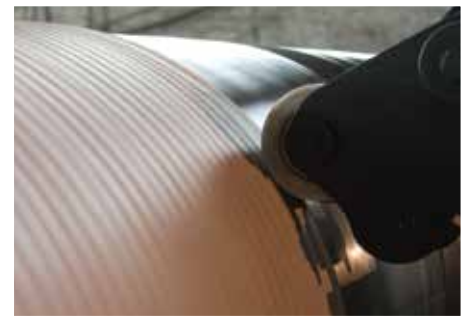
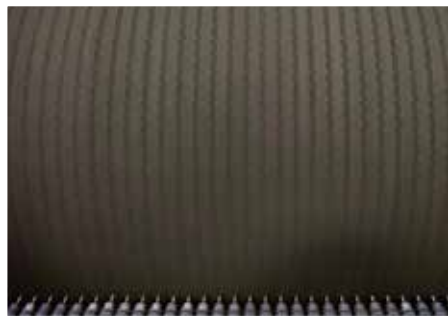
Run at the high speed without vibration & less wear & tear.

Composite rollers are also used in other industries, such as mining, packaging, and material handling.



Our Rubber Covering Name-Cross Reference

POSITION	ASHOKA	VOITH	ANDRITZ
Wire Roll / Felt Roll	Elonite Ash Black Ash Stone	Web Mate Web Mate II Magnarock W	Elonite Black Diamand Dyna X
Breast Roll	Ash Black	Web Mate II	Black Diamand
Cylinder Couch/ Extractor Couch	Ash Softex	Duro Mate	Tannite
Drive Roll	Ash Black Ash Mate	Check Mate Check Mate II	Fab Mate
Lump Breaker	Ash Softex LB	Duro Mate II	Peeler
Suction Press	Ash Tech HD	Kraft Master	X-300 Re sixtex
Blind Drill Press	Ash Tech BD	Kraft Master BD	Aqua well
Grooved Press	Ash Tech Vent	Max Vent	Aquamate II
Hard Press/Hard Size Press	Ash Rock Ash Stone	Top Rock Duro Max	Micro Rock Dyna Rock
Soft Top Press	Ash Tech	Kraft Master	Micro mate
Soft Size Press	Ash Mate Ash Mate HD	Check Mate Strato Size	Micro mate Super Size XL
Coater	Ash Kote Ash Kote A	Duro kote Magna Coat II	Pres Kote Dyna Kote Vario Kote
Reel Spool	Ash Tan	Stat Mate	Prestow





Ashoka Rolls

GHAZIABAD | AHMEDABAD

Head Office

Plot No.-11, Site-2, Loni Road, Industrial Area Mohan Nagar,
Ghaziabad - 201007, Uttar Pradesh, India

+91 98100 76795



Works

Sy. No/Block No.304, Village: Chandana,
Kheda-Dholka Road, Dist: Kheda - 387 560, Gujarat, India



Email:

manoj.gupta@ashokarolls.com
sales@ashokarolls.com

For Sales Enquires

+91 -7905126582, +91 -9899636619

www.ashokarolls.com



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