RETURN ROLLERS

REDUCES MATERIAL BUILDUP,
WEAR,
AND OVERHEATING RISK

ULMA CONVEYOR COMPONENTS

RETURN ROLLERS

Choosing the right solution makes all the difference

Flat-return, V-return, and Return-Garland: Carryback, abrasion, and mechanical demands accelerate system wear and increase thermal risk.

Choosing **the right solution in each case** is key to keeping these factors under control and reinforcing operational reliability.

Rollers with RUBBER RINGS

For standard conditions

- Good traction with the belt.
- The most cost-effective option.

Rollers with POLYURETHANE RINGS

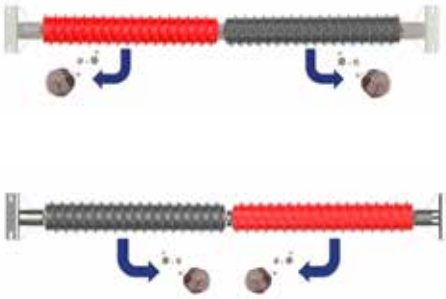
For demanding conditions

- Higher load capacity.
- Greater abrasion resistance.
- Lower thermal risk than rubber.

Injected POLYURETHANE COATING

For extreme conditions

- Very high load capacity.
- High abrasion resistance.
- No heat buildup due to hysteresis.
- Maximum coating adhesion to the roller's metal core.



If a helical design is included, cleaning performance is improved by directing the material toward the center or toward the sides (depending on the requirement).

Rollers are designed and lab-tested based on each unique application.

ULMA POLYURETHANE (PU) RINGS

MORE STRENGTH. LESS WEAR. MORE RELIABILITY.

	RUBBER	**PU ULMA**	DIN
Density (g/cm³)	1.25	**1.25**	1183-1
Yield strength (N/mm²)	> 9	**> 50**	53504
Elongation (%)	> 200	**> 450**	53504
Abrasion (mm³)	< 190	**< 30**	4679
Hardness (Shore A)	70	**87**	53505

Aptitude for RETURN CLEANING

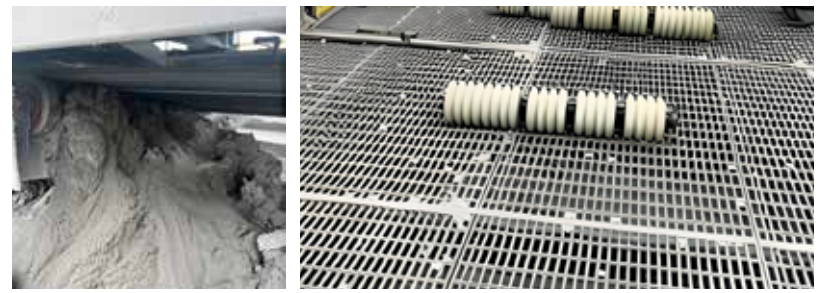
Steel	Composite	Rubber rings	**PU rings**

LOAD CARRING capacity

Rubber rings	**PU rings**	Composite & Steel

Reduces wear caused by abrasive dust

Worn rubber



Unworn polyurethane

Reduces the risk of fire

The lower melting temperature of **ULMA PU** helps prevent reaching critical temperatures that can lead to fire.

Rubber > 300ºC

PU < 120ºC

04/2026/EN

ULMA in Industry 4.0

We combine experience in the design and manufacture of premium rollers and components with advanced automation. The result:

- Early detection of anomalies before they become critical failures.
- Fewer manual inspections, more safety and efficiency.
- Fewer unscheduled shutdowns.
- Solutions that meet the challenges of the sector, with precision and durability.

ULMA CONVEYOR COMPONENTS *in the world*

ULMA CONVEYOR COMPONENTS
COMMERCIAL DELEGATIONS

AMERICA

CANADA
Mr. Rajesh Shah

CHILE
Santiago - Antofagasta

MEXICO
Ms. Nidia Santos

PERU
Lima - Arequipa

USA
Mr. Rajesh Shah

EUROPA / AFRICA

SPAIN
Otxandio - Bizkaia

DENMARK
Scandi Roll

FINLAND
New Paakkola

GERMANY
Rödermark

GREECE
Solergon

FRANCE
Ms. Isabelle Van Caillie

MOROCCO
Eximcom

NORWAY
Aanestad Service AS.

PORTUGAL
OZEC Equipamentos Industriais Lda.

SLOVENIA, CROATIA, BOSNIA, HERZEGOVINA, SERBIA AND KOSOVO
Siming d.o.o

ASIA / AUSTRALIA

AUSTRALIA
Ms. Isabel Zapiain

INDONESIA
Mr. Herman Gunawan

TAILANDIA AND LAOS
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