



GAZIMO[®]

HIGH-PERFORMANCE
ROLLER MONITORING



ULMA CONVEYOR COMPONENTS



MONITORING SYSTEM

GAZIMO[®] BY ULMA

Reduces risk of roller failure:
unscheduled shutdowns and fires



COMPLETE REAL-TIME
VIEW OF ROLLER
STATUS

Detect thermal and
speed abnormalities in
rollers that may cause
critical conveyor belt
failure.

MONITORED PARAMETERS



TEMPERATURE AND ROTATION SPEED (RPM)

Roller failure warnings:
jams and breakage due to overload.

OPERATION

ROLLERS WITH BUILT-IN
SENSORS

1



The sensors communicate
temperature and rotation
speed to a gateway.

GATEWAY

2



The gateway sends
this information to the
data management
platform so it can be
visualized.

GAZIMO PLATFORM
OR CUSTOMER ERP

3



ADAPTABLE DATA STORAGE
AND VISUALIZATION

Storage:

- On-premise
- Cloud-based

Visualization:

- GAZIMO Platform
- Customer ERP

TECHNICAL SPECIFICATIONS

Capacity per Gateway
4,000 rollers

Rollers
CEMA D to G

Bearings
6306 to 6312

Monitoring frequency
Up to 120 readings per hour

Temperature range
-20°C to +100°C

Rotation speed range
50-1000 RPM

COMMUNICATION

Inter-roller communication
433.05 - 434.79 MHZ

Roller-gateway communication
433 ISM free band

Gateway-server communication
Public and private telecommunications network

High cybersecurity standards

Does not interfere with mine frequency bands

UNINTERRUPTED MONITORING, MAXIMUM SECURITY

The system transmits information even when the roller is not in operation.

Non-flammable battery built into the roller

Useful life

UP TO 10 YEARS



EASY 3-STEP INSTALLATION



1
PLACE THE
ROLLERS ON THE
RACKS



2
SCAN THE QR CODE
ON THE LABEL



3
CONNECT THE
ROLLERS TO THE
GATEWAY AND
PLATFORM

Download the
GAZIMO data sheet



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

ASIA / AUSTRALIA

- **MOROCCO**
Eximcom
- **NORWAY**
Aanestad Service AS.
- **PORTUGAL**
OZEC Equipamentos Industriais Lda.
- **SLOVENIA, CROATIA, BOSNIA, HERZEGOVINA, SERBIA AND KOSOVO**
Siming d.o.o
- **AUSTRALIA**
Ms. Isabel Zapiain
- **INDONESIA**
Mr. Herman Gunawan
- **TAILANDIA AND LAOS**
Giant Tire and Service Co.Lt.
- **MIDDLE EAST**
KENZ Jordan for Industrial Supplies
- **SOUTH KOREA**
Glovista International

