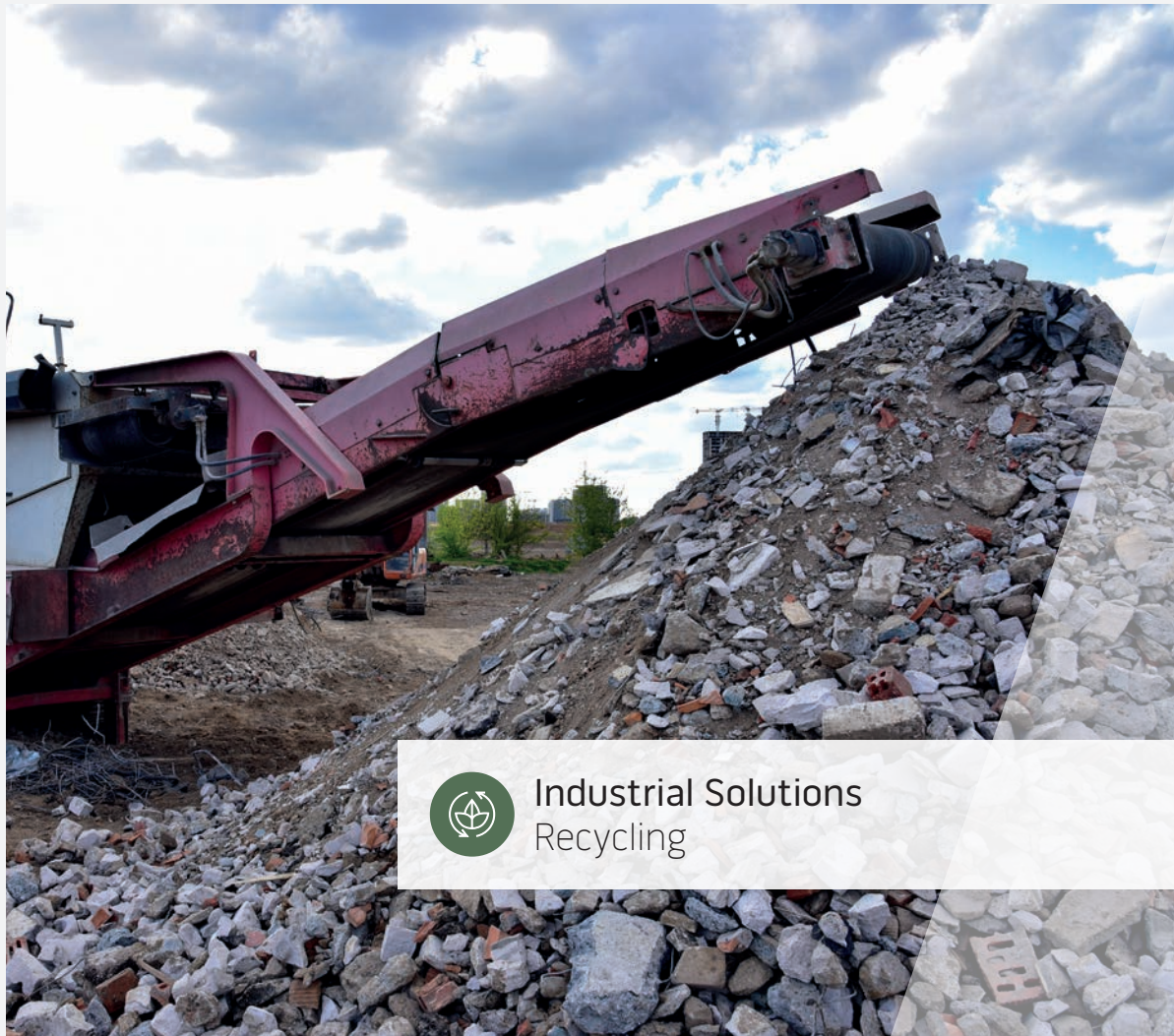




// ONE BRAND // ONE SOURCE // ONE SYSTEM



Industrial Solutions  
Recycling

## RECYCLING

### DIVERSE SOLUTIONS FOR THE RECYCLING ECONOMY

REMA TIP TOP offers operators of sorting, treatment and recycling plants an extensive selection of solutions for conveyor systems and components, together with wear protection and surface protection that are specially tailored to your operational requirements.



## Recycling



Stone & building rubble



Slag



Glass



Metal



Organic

### RECYCLING

The recovery of recyclable materials from wastes and residues has become increasingly relevant in recent years. Increasing population numbers, strong economic growth and the continuing shortages of natural resources will also continue to drive this trend into the future.

The recycling industry is dedicating itself more and more to the challenge of sorting, processing and separating highly diverse waste materials so they can be returned to the economic cycle. Every plant or operation in this industry operates with its own procedures, since the materials to be handled vary widely. Processes range from dry to wet, while plant components come into contact with oils, chemicals and other substances and materials.

Thanks to its global network of subsidiaries, branches and partners, the REMA TIP TOP Group can act as your dependable local partner, wherever in the world your plant is located. This unique service network, combined with our offering of wear protection, corrosion protection,

spray coatings and conveyor solutions that is both versatile and individually tailored to your requirements, guarantees maximum availability of your plant. We will work with you to develop exclusive solutions, customised to your applications, and optimise your processes.

From the initial waste delivery through to the processed recyclable material, REMA TIP TOP represents high-performance products, technical solutions and engineered services. Our customers also benefit from our leading preventive maintenance strategies. Our objective: optimal performance, long service life and low maintenance costs for sustainably efficient plant operation. Our expertise extends to a wide range of fields: we offer immediate repair or replacement, for example, if conveyor systems are affected by cracking or other belt damage. Similarly, we find the correct solution fast in cases of material adhesion, corrosion or wear. And we reduce high plant noise levels constantly with tailor-made products.



Wood



Paper



Plastic



Household waste



Electrical waste

## YOUR REMA TIP TOP PRODUCTS & SERVICES PORTFOLIO



Belting



Pulley Lagging



Impact Bed/Bars



REMA Technology & Monitoring



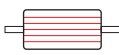
Wear Rubber Linings



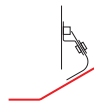
Idlers, Rollers & Trackers



Bearings\*



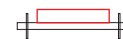
Pulleys



Skirting Systems



Safety Equipment\*



Belt Cleaning Systems



Ceramics



Adhesives



Heavy Wear Protection



Rubber Steel Plates



Anti-Caking



24/7 Service



Engineering



Tools Repair System



Fluoro-polymer Linings



Coatings



Corrosion Rubber Linings



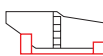
Brick Linings



Combined Linings



Mill Lining



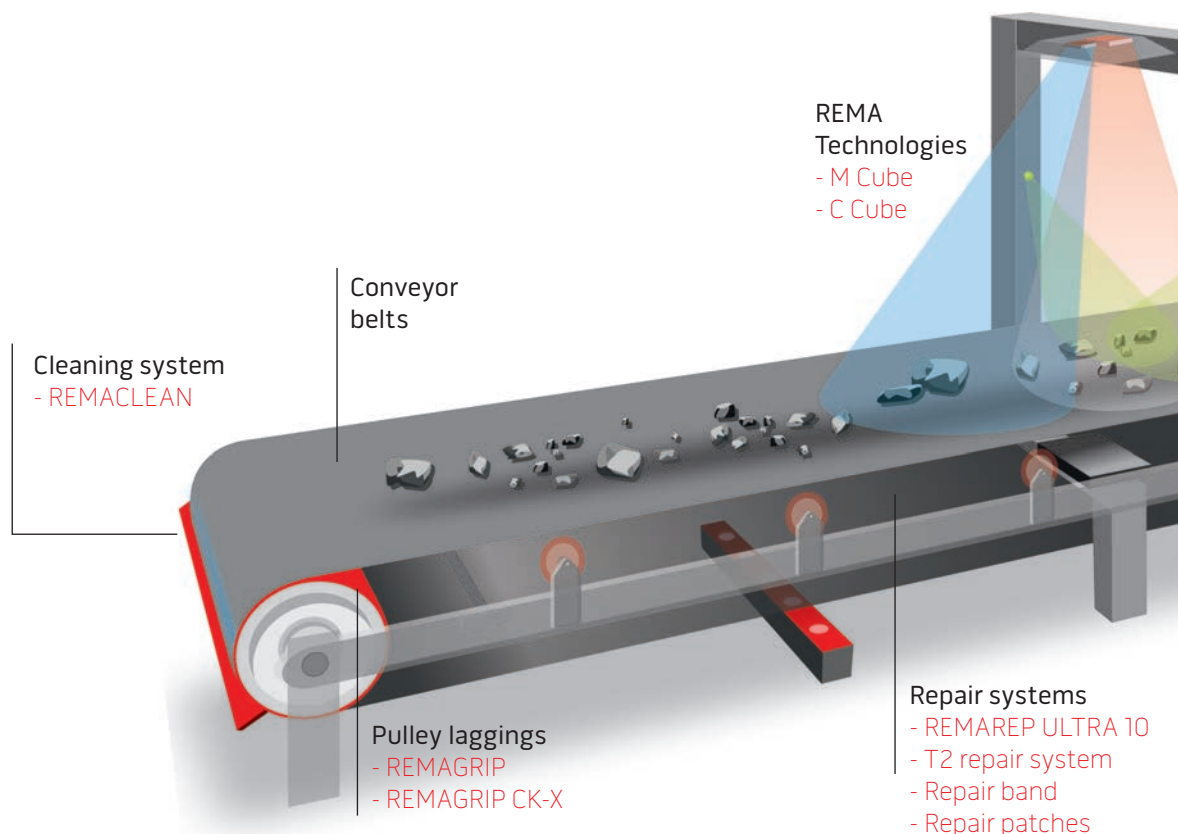
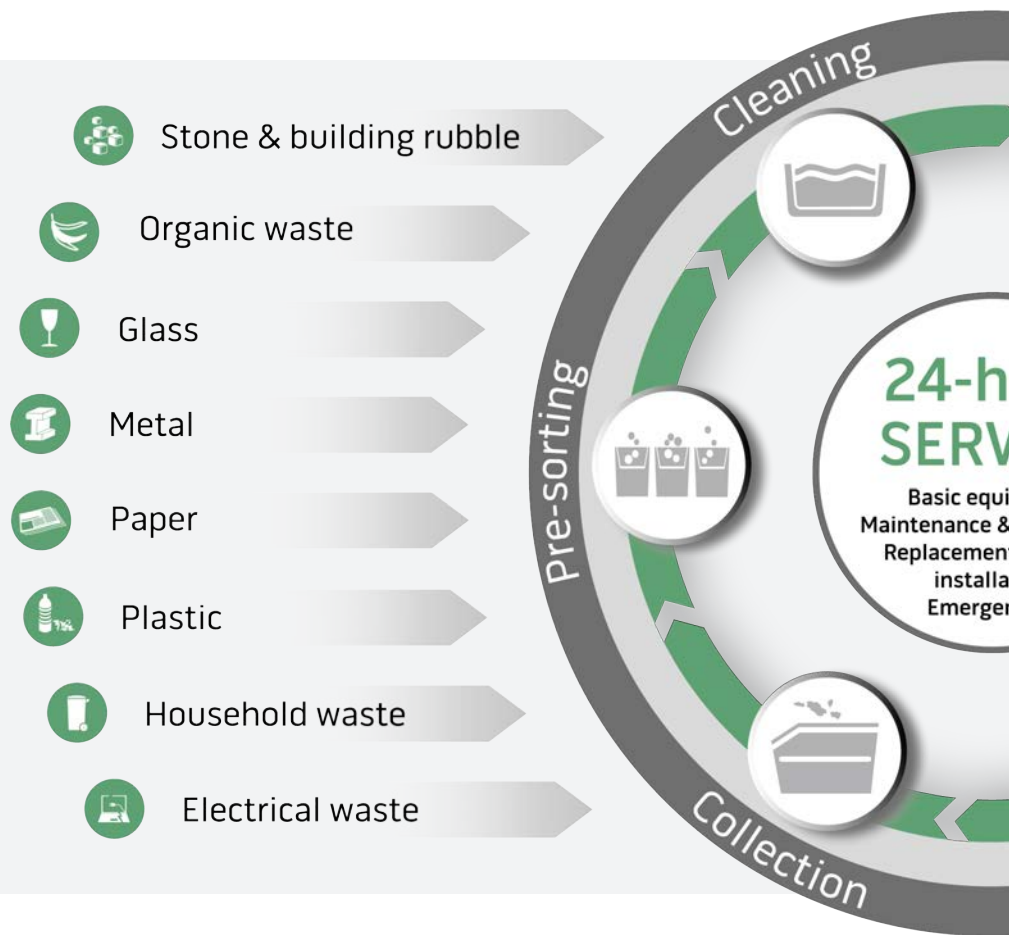
Screening Mats



Vulcanisation Presses

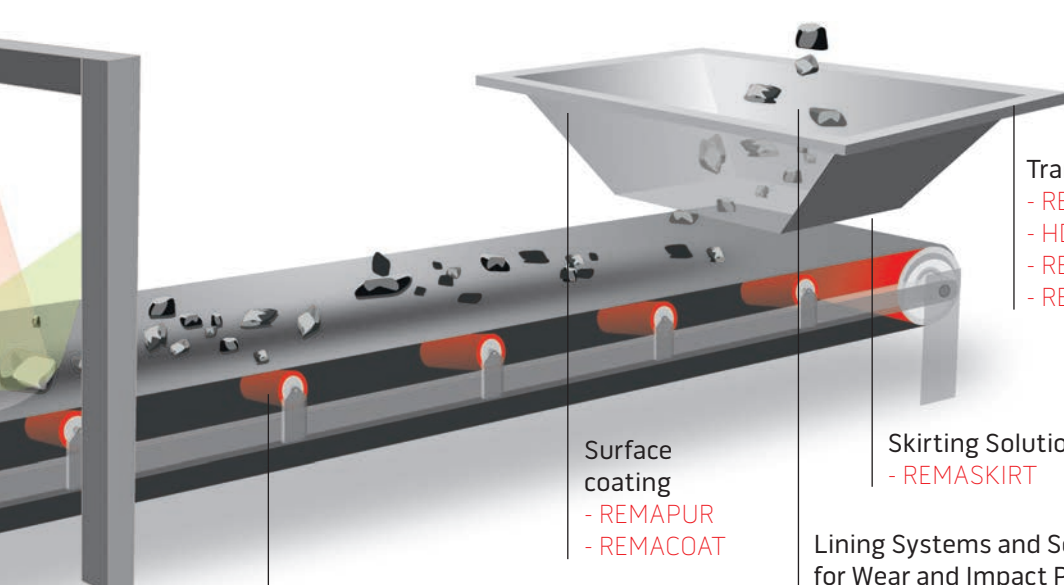
\*Please contact your local REMA TIP TOP representative for availability

# Recycling process





- Product
- Building material
- Raw material
- Residue
- Energy source
- Landfill



**Transfer Chute lining systems**  
 - REMA Modular system  
 - HDL plates  
 - REMASLIDE plates  
 - REMALOX

**Surface coating**  
 - REMAPUR  
 - REMACOAT

**Skirting Solutions**  
 - REMASKIRT

**Lining Systems and Solutions for Wear and Impact Protection**  
 - REMALINE  
 - REMATHAN  
 - REMASTAR

**Components**  
 - Steel idlers  
 - Plastic/Composite Idlers  
 - REMATRACK  
 - REMASLIDE bars



# Recycling



Stone & building rubble



Slag



Glass



Metal



Organic

## CASE STUDIES

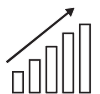
### REMACLEAT RED CONVEYOR BELT

Guaranteed reliable adhesion to cleats

Cleats that are constantly coming loose from the conveyor belt: REMACLEAT RED offers customers a lasting solution to this problem – for longer system running times and reduced costs.



Secure cleat adhesion



Extended service life



Reduced downtimes

The conveyor belt, constructed for highly demanding applications, withstands tough conditions such as weather and product influences. The cleats, hot-vulcanised to the belt, adhere firmly at all times. This facilitates a longer service life as well as increased durability of the plant – and reduces costs. Thanks to its dimensions, the belt is also suitable for smaller pulley diameters. At the same time, REMACLEAT RED also helps the environment because no industrial adhesives are required.

### REMACLEAN U11 R AND HM U2

Minimise conveyor belt contamination and material wear

Since the scrapers were not functioning optimally under their conveyor system, one customer suffered severe contamination and high levels of material wear. During the consultation they selected two solutions that were optimally suited to the situation.



Reduced cleaning outlay



Reliable system running time



Professional installation by in-house installers

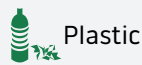
The REMACLEAN U11 R conveyor belt scraper is designed specially for high-speed conveyor belts, the HM U2 model for standard systems (1000 to 1400 millimetres). Installed to exact requirements on site by our specialists, the efficiency of this unit has increased the cleaning interval from one day to one week. Not only does this reduce work and costs, it also contributes to significantly lower wear and downtimes.



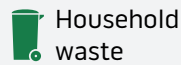
Wood



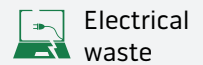
Paper



Plastic



Household waste



Electrical waste

## CCUBE – FIELD SERVICE MANAGEMENT SYSTEM

Ensure continuous feed of material

For efficient plant operation, continuous monitoring is essential: The feed of material to the furnace must not stop for more than six hours. Our customer applies a systematic solution to this challenge – with CCube.



Reliable system availability



Improved planning reliability



Process and cost optimisation



Significantly longer service life



Minimisation of repair outlay



Reduced upkeep costs

## POLYUREA SPRAY COATING SURFACE TECHNOLOGY

Mixing drum: creating a robust inner lining

Our customer required a method of long-term protection for the rubber lining of his mixing drum from wear and material caking during separation of metal and rock – and opted for a polyurea spray coating.

The field service management system, in the form of a digital twin created by us, helps to ensure system availability and to constantly monitor its status together with all processes by means of regular inspections. This prevents downtimes and the need for significant numbers of additional personnel and the associated costs. The planning reliability of orders is optimised, as are inventory levels, which reduces capital commitment. Thanks to proactive processes, special materials can be ordered in advance to avoid long delivery times in urgent situations.

A conventional rubber lining normally lasts for one year at the most. By changing to a polyurea spray coating, our customer has already achieved a service life of one and a half years and counting. Since this tough material does not require a complete relining but instead needs only localised improvements, the downtimes associated with repair are reduced, as is the financial outlay. System availability is ensured with minimised cleaning and maintenance costs.

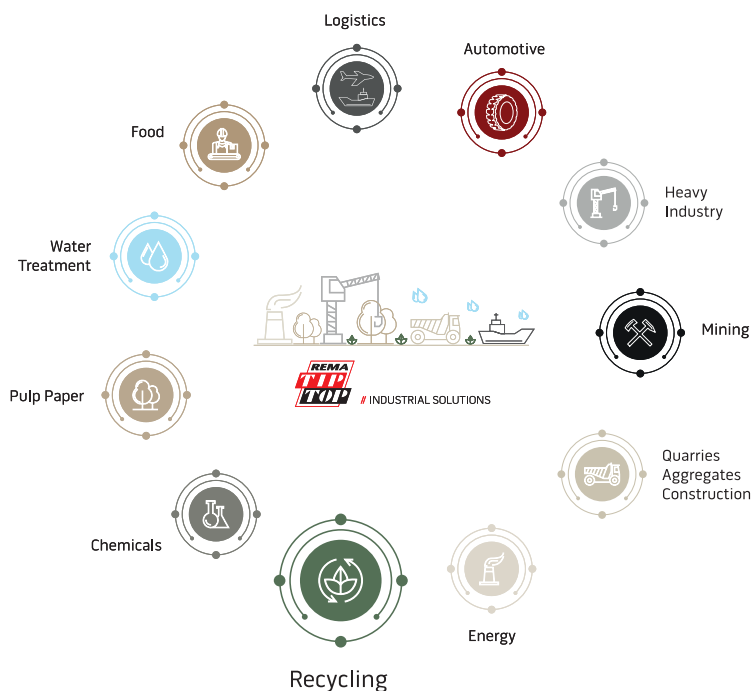


# Driving your Performance

## OUR SERVICE PROMISE

The REMA TIP TOP group of products are specifically designed with your plant and assets in mind. From wear and surface protection to conveyor technology and components, our products paired with our service solutions warranty to dramatically increase the lifecycle of your assets, lower your maintenance costs and improve the availability of your system.

For decades we have been working on-site with our customers and partners in the development of industry best practice installation, maintenance, and upkeep strategies to optimise your site beyond the benchmarks of your competitors. From developing methodologies and undertaking engineering audits, to implementing data collection technologies and tapping into The Internet of Things, we have the know-how and experience to keep you up and running longer, safer, and more efficiently.



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Your local contact