



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



Industrial Solutions
Quarries



SAND & GRAVEL

From the ground to the surface

Every industry is different, as is every plant. The processing of raw materials, minerals and ores requires plant machinery and equipment to be operating efficiently at all times. REMA TIP TOP Industrial Solutions gives sand & gravel plant operators a complete range of conveyor belting and components, wear protection and surface protection solutions tailored to the specific needs of your plant.



Quarries



Sand & Gravel



Salt



Dredging



Phosphate



Quartz

SAND & GRAVEL

The sand & gravel industry supports a range of manufacturing and construction services, from building, road and bridge construction, to glass and glass product manufacturers. The demand on quarry operators for glass and cement related products promises to continue growing in a global socio-political environment focused on building a sustainable future.

However this presents its own challenges for operators to be both sustainable by minimising operating expenditure and getting more mileage out of existing plants, and sustainable in terms of meeting the communities'

environmental expectations.

The REMA TIP TOP group of products plays to both these elements, with dust suppression systems minimising particle emissions and specialist mill lining systems for the sand and gravel industry that improves energy and product efficiencies.

Our range of wear protection and conveying solutions are also tailored to your plant's requirements, reducing your maintenance costs, improving your conveyor availability and increasing the lifespan of your equipment and machinery.



Graphite



Gypsum



Clay



Limestone



Olivine

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



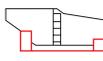
Brick Linings



Combined Linings



Mill Lining

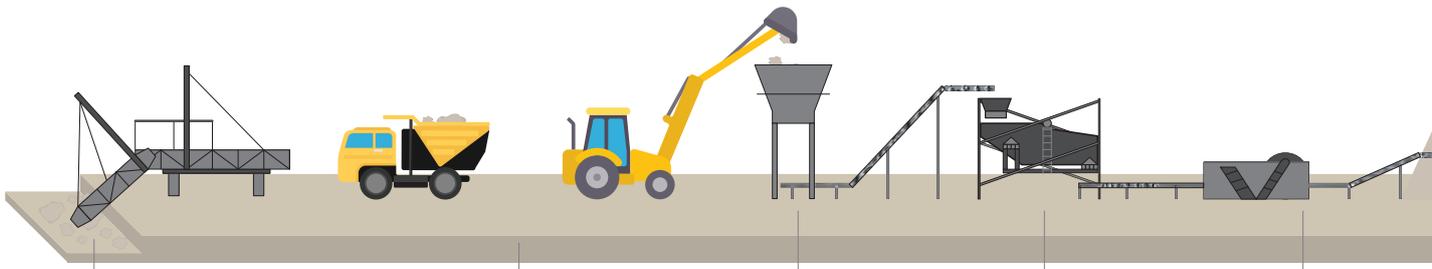


Screening Mats



Vulcanisation Presses

*Please contact your local REMA TIP TOP representative for availability



CONVEYOR 1

CONVEYING SOLUTIONS

PULLEY LAGGING
• REMAGRIP

SKIRTING RUBBER
• REMASKIRT

COMPONENTS
• IDLERS
• ROLLERS
• TRACKERS

ANTI CAKING
• REMAFLOX
• REMALEN

CLEANING
• REMADUST
• REMACLEAN

BELTING
• STEEL CORD
• FABRIC
• SOLID WOVEN

FEEDING SYSTEM
• REMASLIDE

TECHNOLOGIES
REMA MCUBE
• BELT THICKNESS
MONITORING
• SCS STEEL CORD
SCANNER
• RIP GUARD
DETECTION

TYRES 1

TYRE REPAIR
EMERGENCY SEALING
• SEALASTIC

PREVENTIVE SEALING
• TT-SEAL XXL

PERMANENT REPAIR
• RADIAL PATCH RAD100
SERIES
• CEMENT OTR

RECIPROCATING FEEDER 1

WEAR PROTECTION
RUBBER LINING
• REMALINE
• PERFORMANCE LINE

CERAMICS
• REMALOX
• REMALOX HD

SCREENS 2

WEAR PROTECTION
RUBBER LINING
• REMALINE
• PERFORMANCE LINE

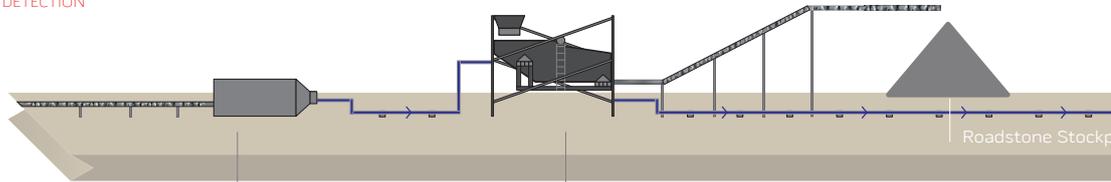
CERAMICS
• REMALOX
• REMALOX HD

SCREENING
• REMASCREEN

JAW CRUSHER

WEAR PROTECTION
CERAMICS
• REMALOX HD

STEEL PLATES
• REMASTEEL
• HDL PLATES



ROTARY SCRUBBER 4

WEAR PROTECTION
CERAMICS
• REMALOX
• REMALOX HD

STEEL PLATES
• REMASTEEL
• HDL PLATES

SCREENS 4

WEAR PROTECTION
RUBBER LINING
• REMALINE
• PERFORMANCE LINE

CERAMICS
• REMALOX
• REMALOX HD

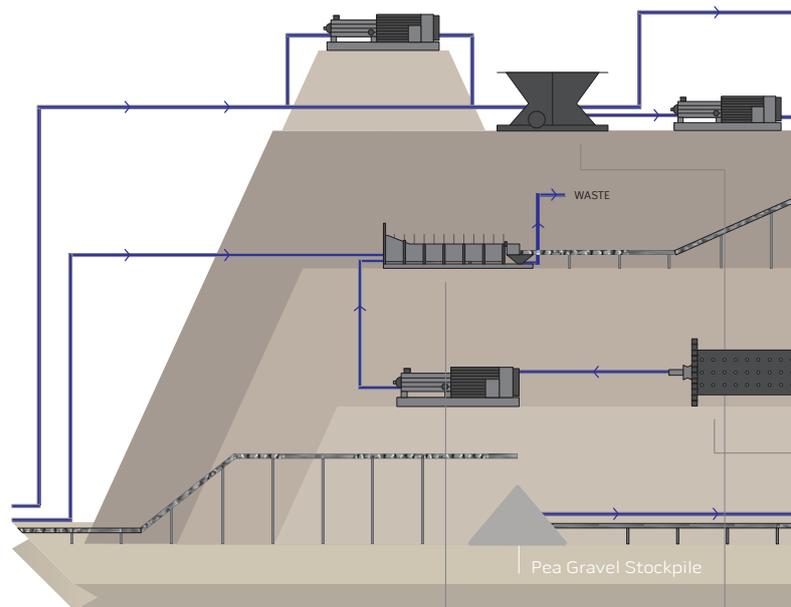
SCREENING
• REMASCREEN



PIPING



CONVEYOR SYSTEM



4 SPIRAL CLASSIFIER

WEAR PROTECTION
RUBBER LINING
• REMALINE
• PERFORMANCE LINE

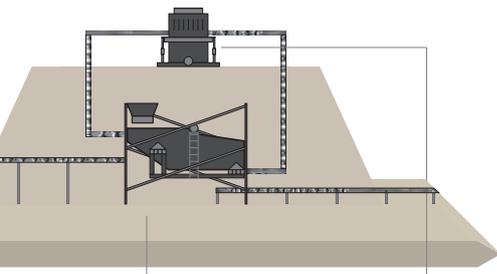
CERAMICS
• REMALOX
• REMALOX HD

4 HYDRAULIC SAND CLASSIFIER

WEAR PROTECTION
RUBBER LINING
• REMALINE
• PERFORMANCE LINE

CERAMICS
• REMALOX
• REMALOX HD

Sand & Gravel Process



EXCAVATION
PRODUCTS & SOLUTIONS 1

CRUSHING
PRODUCTS & SOLUTIONS 2

VIBRATING SCREEN
WEAR PROTECTION
RUBBER LINING
• REMALINE
• PERFORMANCE LINE
SCREENING
• REMASCREEN

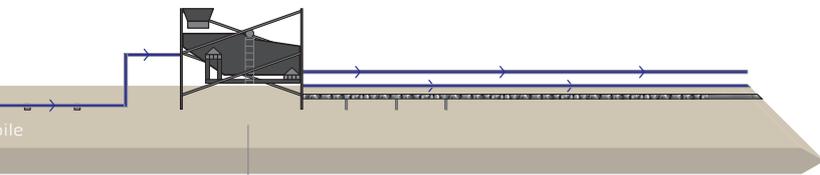
SECONDARY CRUSHER
WEAR PROTECTION
CERAMICS
• REMALOX
• REMALOX HD
STEEL PLATES
• REMASTEEL
• HDL PLATES

CRUSHING
PRODUCTS & SOLUTIONS 2

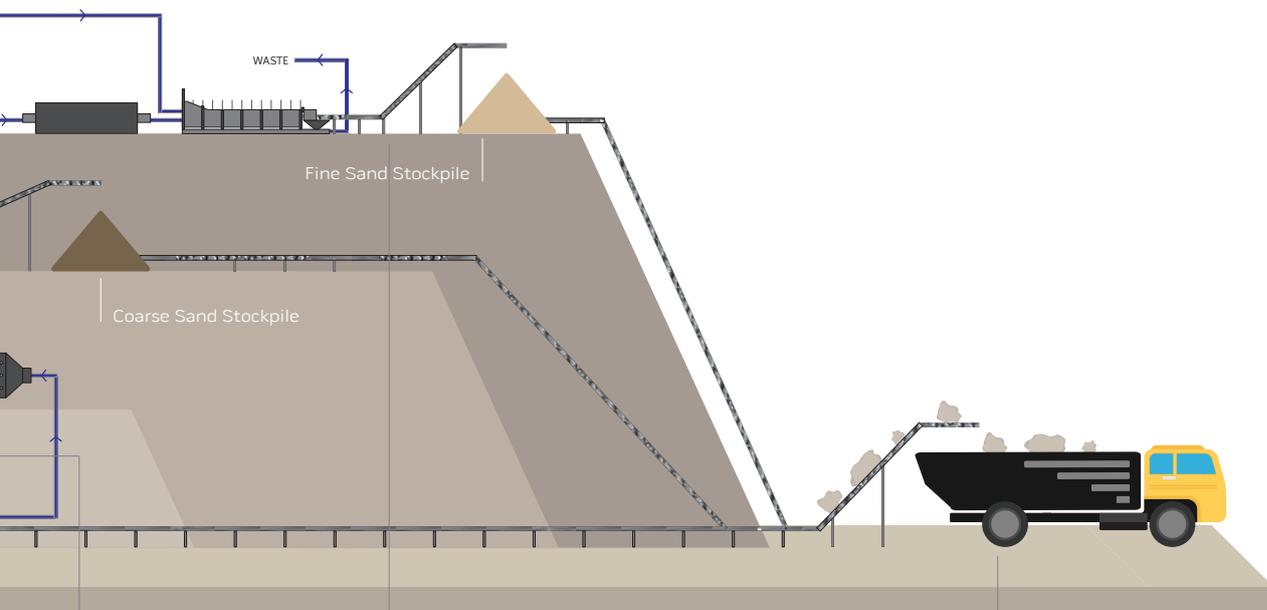
TRANSPORT
PRODUCTS & SOLUTIONS 3

CLASSIFICATION
PRODUCTS & SOLUTIONS 4

STORAGE & LOADING
PRODUCTS & SOLUTIONS 5



SCREENS
WEAR PROTECTION
RUBBER LINING
• REMALINE
• PERFORMANCE LINE
CERAMICS
• REMALOX
• REMALOX HD
SCREENING
• REMASCREEN



ROD MILL
WEAR PROTECTION
CERAMICS
• REMALOX
• REMALOX HD
STEEL PLATES
• REMASTEEL
• HDL PLATES

SPIRAL CLASSIFIER
WEAR PROTECTION
RUBBER LINING
• REMALINE
• PERFORMANCE LINE
CERAMICS
• REMALOX
• REMALOX HD

TRANSPORT
WEAR PROTECTION
RUBBER LINING
• REMALINE
• PERFORMANCE LINE



Quarries



Sand & Gravel



Salt



Dredging



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Quartz

CASE STUDIES

HDL PLATES

Reducing wear on material transport vehicles

One of our sand and gravel customers was experiencing heavy wear on their transport vehicles with granite lump sizes of up to 1m³ causing rapid wear and loud noise when loading and unloading.



Significantly reduced wear



Shorter downtimes and longer product lifetime



Reduced caking and maintenance

Extending lifetimes of primary bunkers

One of our customers was unhappy with the amount of heavy wear and short lifetime they were experiencing with their primary bunker lining at their sand and gravel plant.



Significantly reduced wear



Longer product service life



Reduced noise pollution

To reduce this wear, the customer's transport vehicles were lined with 100mm thick REMA TIP TOP HDL Plates. With a lifetime of approximately five years, these plates have significantly reduced wear, resulting in much shorter downtimes and increased throughput. The HDL Plates have also reduced caking which has reduced maintenance time spent on each transport vehicle.

The situation was assessed by our REMA TIP TOP maintenance team who recommended our HDL Plates for the lining of the bunker. This product was recommended due to its minimal maintenance, ease to install, and long service life which is more than twice as long as competing products.



Graphite



Gypsum



Clay



Limestone



Olivine

REMALOX HD 75

Longer lasting rubber lining on transfer chutes

Previously lined with a competing product, one of our customers in Switzerland was experiencing a maximum lifetime of 12 weeks on their transfer chutes which was resulting in regular replacement of the lining product.

12week

Lifetime when lined with competing product

28week

Lifetime when lined with REMALOX HD 75



Increased throughput

After an assessment by our maintenance team, the decision was made to line the transfer chutes with REMALOX HD 75, a long lasting, highly wear resistant rubber lining. With a lifetime of over 28 weeks, the REMALOX HD 75 rubber - ceramic lining lasts over twice as long as competing products, allowing for increased throughput and less downtime.

REMALOX HD 35

Reducing wear on sand and gravel transfer chutes

At a sand and gravel processing plant, one of our customers was having difficulty with heavy wear on their transfer chutes, caused by broken sand and gravel sized between 0mm and 32mm.



Easy installation and replacement

x2

Increase in service lifetime



Reduced caking

The transfer chutes were lined with REMALOX HD 35, a long lasting and highly wear resistant lining ideally suited for the customers' transfer chutes. Since the installation of REMALOX HD 35 the customer has seen the service life double when compared to the previous lining, additionally reporting a substantial decrease in caking.

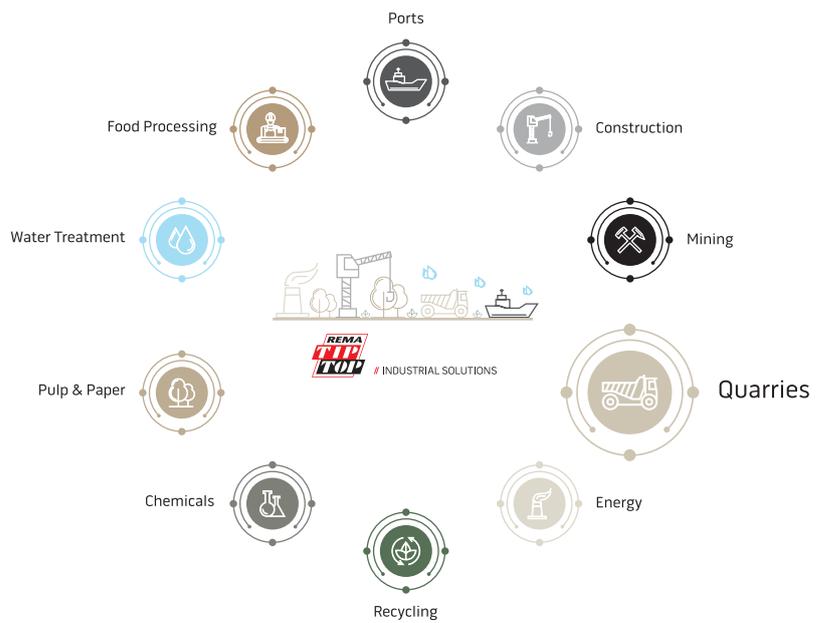


Driving your Performance

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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