

GLOBAL ORGANIZATION - LOCAL SUPPORT



MILLROOM EQUIPMENT



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INTRODUCTION

YOUR NEEDS - OUR MISSION

In the rubber and tire industry yesterday's technology is being replaced by today's innovation for tomorrow's requirements. Amidst the turmoil of innovation there is, however, one constant:

VMI's commitment to supplying innovative and reliable services and equipment to the rubber and tire industry.

YOUR NEEDS - OUR CHALLENGE

VMI supplies millroom equipment and a complete line of tire manufacturing, tire curing and tire testing systems for bias and radial tires for cars, truck, utility and off-the-road vehicles.

Our services range from financing through engineering and contracting projects. We also offer maintenance contracts and upgrade existing rubber and tire equipment.

We work closely with clients to create customised solutions that meet their needs.

Rightfully VMI is known as the leader in millroom equipment and single-stage machines for radial car and truck tires.

YOUR NEEDS - OUR NETWORK

VMI's network of agents is constantly monitoring developments on local markets on all continents. Our R&D department collaborates with the leading international rubber research institutes and with key suppliers of commercial components.

Our vast expertise and experience in rubber and tire production engineering enables us to respond rapidly to market developments and to specific needs of our clients.

For cost-effective systems that are tailored to your requirements, VMI is the company to work with.

YOUR NEEDS - OUR SERVICE

VMI's global organization includes spare-parts supply and servicing from our plants in the Netherlands, USA and P.R. of China. Our service departments are on call 24 hours a day to provide rapid on-site service.

VMI: a partner to rely on in the race against time - and your competitors!

BATCH-OFF COOLING AND STACKING LINES



HP BATCH-OFF WITH PENDULUM STACKER

For anti-tack dipping, cooling, drying and stacking of rubber slabs and strips, equipped with our basic pendulum wig-wag stacker unit.

- Suited to be installed behind an open mill or roller-die extruder
- Robust and maintenance friendly design
- Suitable for extensive rubber hardness range
- Heat resistant inlet section with optional splice press/slitter/batch marker/sampler
- Stainless steel dip tank assembly, resistant against the most aggressive anti-tack agents
- Modular cooling sections for rubber throughput capacities up to 15000 Kg/h.
- Frequency controlled cooling rack chain drive for accurate positioning
- Automatic slab take-out with basic pendulum wig-wag stacker
- Industrial PLC control system with fault solving diagnostics
- Modular set-up suitable for a wide range of options

BATCH-OFF COOLING AND STACKING LINES



HP BATCH-OFF WITH MHD III STACKER

For anti-tack dipping, cooling, drying and stacking of rubber slabs and strips, equipped with a flexible MHD III stacker unit.

- Suited to be installed behind an open mill or roller-die extruder
- Robust and maintenance friendly design
- Suitable for extensive rubber hardness range
- Heat resistant inlet section with optional splice press/slitter/batch marker/sampler
- Stainless steel dip tank assembly, resistant against the most aggressive anti-tack agents
- Modular cooling sections for rubber throughput capacities from up to 15000 Kg/h.
- Frequency controlled cooling rack chain drive for accurate positioning
- Automatic slab take-out with patented MHD III stacker, capable of very precise stacking of slabs and strips at high speed
- Shear type cutting system, capable of cutting slabs into separate sheets
- Suitable for stacking on flat pallets as well as inside of boxes
- Industrial PLC control system with fault solving diagnostics
- Modular set-up suitable for a wide range of options
- Shown here with optional Pallet Store, Pallet Conveyor and Platform for easy access to the stacker unit

BATCH-OFF COOLING AND STACKING LINES



HP BATCH-OFF WITH RCP STACKER

For anti-tack dipping, cooling, drying and stacking of rubber slabs and strips, equipped with our RCP stacker unit suitable for handling very wide slab width.

- Suited to be installed behind an open mill or roller-die extruder
- Robust and maintenance friendly design
- Suitable for extensive rubber hardness range
- Heat resistant inlet section with optional splice press/slitter/batch marker/sampler
- Stainless steel dip tank assembly, resistant against the most aggressive anti-tack agents
- Modular cooling sections for rubber throughput capacities up to 15000 Kg/h.
- Frequency controlled cooling rack chain drive for accurate positioning
- Automatic slab take-out with our RCP stacker, capable of very precise stacking at high speed of very wide slab width
- Suitable for stacking on flat pallets
- Industrial PLC control system with fault solving diagnostics
- Modular set-up suitable for a wide range of options
- Shown here with optional Pallet Store, Pallet Conveyor and Platform for easy access to the stacker unit

CANTILEVER BATCH-OFF'S



CANTILEVER BATCH-OFF WITH MHD-500 STACKER

For anti-tack dipping, cooling, drying and stacking of rubber slabs and strips with a maximum width up to 450 mm., equipped with our MHD-500 stacker unit.

- Suited to be installed behind an open mill or extruder
- Compact design giving high cooling capacity per square meter floor space
- Easily accessible and maintenance friendly design
- Suitable for extensive rubber hardness range
- Heat resistant inlet section with optional splice press/slitter/batch marker/sampler
- Stainless steel dip tank assembly, resistant against the most aggressive anti-tack agents
- Modular cooling sections for rubber throughput capacities up to 5000 Kg/h.
- Frequency controlled cooling rack chain drive for accurate positioning
- Patented MHD-500 stacker, capable of very precise stacking at high speed
- Suitable for stacking on flat pallets as well as inside of boxes
- Industrial PLC control system with fault solving diagnostics
- Modular set-up suitable for a wide range of options

CANTILEVER BATCH-OFF'S



CANTILEVER BATCH-OFF WITH MHD III STACKER

For anti-tack dipping, cooling, drying and stacking of rubber slabs and strips with a maximum width up to 450 mm., equipped with our MHD III stacker unit.

- Suited to be installed behind an open mill or extruder
- Compact design giving high cooling capacity per square meter floor space
- Easily accessible and maintenance friendly design
- Suitable for extensive rubber hardness range
- Heat resistant inlet section with optional splice press/slitter/batch marker/sampler
- Stainless steel dip tank assembly, resistant against the most aggressive anti-tack agents
- Modular cooling sections for rubber throughput capacities up to 5000 Kg/h.
- Frequency controlled cooling rack chain drive for accurate positioning
- Patented MHD III stacker, capable of very precise stacking at high speed.
- Shear type cutting system suitable for single sheet cutting and enabling automatic pallet exchange
- Suitable for stacking on flat pallets as well as inside of boxes.
- Industrial PLC control system with fault solving diagnostics
- Modular set-up suitable for a wide range of options

CANTILEVER BATCH-OFF'S



CANTILEVER BATCH-OFF WITH WWE STACKER

For anti-tack dipping, cooling, drying and stacking of rubber strips with a maximum width up to 200 mm., equipped with a WWE strip stacker unit.

- Suited to be installed behind an open mill or extruder
- Compact design giving high cooling capacity per square meter floor space
- Easily accessible and maintenance friendly design
- Suitable for extensive rubber hardness range
- Heat resistant inlet section with optional splice press/slitter/batch marker/sampler
- Stainless steel dip tank assembly, resistant against the most aggressive anti-tack agents
- Modular cooling sections for rubber throughput capacities up to 5000 Kg/h.
- Frequency controlled cooling rack chain drive for accurate positioning
- WWE strip stacker for one or optionally two strips with a maximum width of 200 mm.
- Suitable for stacking in boxes
- Industrial PLC control system with fault solving diagnostics
- Modular set-up suitable for a wide range of options

CANTILEVER BATCH-OFF'S



CANTILEVER BATCH-OFF WITH HP STACKER

For anti-tack dipping, cooling, drying and stacking of rubber slabs and strips with a maximum width up to 450 mm., equipped with an HP slab stacker unit.

- Suited to be installed behind an open mill or extruder
- Compact design giving high cooling capacity per square meter floor space
- Easily accessible and maintenance friendly design
- Suitable for extensive rubber hardness range
- Heat resistant inlet section with optional splice press/slitter/batch marker/sampler
- Stainless steel dip tank assembly, resistant against the most aggressive anti-tack agents
- Modular cooling sections for rubber throughput capacities up to 5000 Kg/h.
- Frequency controlled cooling rack chain drive for accurate positioning
- Automatic slab take-out with HP strip and slab stacker, suitable for stacking on flat pallets
- Shear type cutting system suitable for single sheet cutting
- Industrial PLC control system with fault solving diagnostics
- Modular set-up suitable for a wide range of options
- Shown here with an optional pallet shift system which enables stacking of two separate stacks on one pallet, utilizing the full pallet space

ROTO STRIP COOLERS



ROTO STRIP COOLER WITH WWE STRIP STACKER

For cooling and stacking of one or two endless rubber strips with a maximum joined width up to 200 mm., equipped with a WWE single strip stacker unit.

- Suited to be installed behind an open mill or extruder
- Compact design giving high cooling capacity per square meter floor space
- Easily accessible and maintenance friendly design
- Suitable for extensive rubber hardness range
- Equipped with anti-tack powder tank
- Suitable for rubber throughput capacities up to 500 Kg/h.
- WWE strip stacker for one strip with a maximum width of 200 mm.
- Suitable for stacking in boxes

MIXER & EXTRUDER FEEDER SYSTEMS

MIXER FEEDER SYSTEM IF329

For automatic feeding of first stage batches to the inner mixer

- Extremely heavy duty design
- Double "Hugger belt" inlet conveyor, smoothing out folds in the rubber slabs
- Designed for cutting rubber slab up to 1200 mm. width into single strips
- Continuous cutting of up to 24 mm. slab thickness
- Slab feeding from two or three pallets simultaneously
- Suitable for extensive rubber hardness range
- Also available as zig-zag extruder feeder



EXTRUDER FEEDER SYSTEM

For automatic feeding of compound strips to extruders

- Designed for cutting rubber slab up to 900 mm. width into a zig-zag cut strip
- Driven inlet roller conveyor
- Suitable for extensive rubber hardness range



ACCESSORIES AND OPTIONS FOR BATCH-OFF

INLET SECTION

- Hinged inlet conveyor belt



- Impression batch printer on inlet conveyor



- Inkjet printer on inlet conveyor



- Hot Strip slitter unit on inlet conveyor



ACCESSORIES AND OPTIONS FOR BATCH-OFF

- Basic slitter system with splicer roll in the background



- Automatic hot sampler unit on inlet conveyor, automatically cutting out sample discs from the compound slab and automatic printing of batch number on sample.



- Blow-off on the dip-unit



- Metal detector on outlet conveyor



ACCESSORIES AND OPTIONS FOR BATCH-OFF

COOLING SECTION:

- Additional cooling sections for more cooling capacity.
- Brushes for automatic cleaning of cooling rack bars.



STACKING SECTION:

- Platform with stairs for easy stacker access
- Pallet transporter for quick pallet exchange
- Pallet store for 15 pallets, for ergonomic pallet feeding
- Pallet weighing system with label printer (batch tracking system)



**VMI SUPPLIES A COMPREHENSIVE
RANGE OF MACHINERY FOR RUBBER
COMPOUND HANDLING, MANUFACTURING
OF TIRE COMPONENTS, TIRE ASSEMBLY,
TIRE CURING AND TIRE TESTING
FOR THE PRODUCTION OF RADIAL
PASSENGER, LIGHT TRUCK, ALL STEEL
RADIAL TRUCK AND BUS AND OFF THE
ROAD TIRES.**

For more information see:

www.vmi-group.com

or contact us by e-mail:

sales@vmi-group.com

HEADQUARTERS:

P.O.Box 161, 8160 AD Epe
The Netherlands
sales@vmi-group.com
phone +31 578 679111

SALES OFFICES:

STOW, OHIO, USA

sales@vmi-usa.com
phone +1 330 9296800

YANTAI, SHANDONG, CHINA

vmiy@vmi.com.cn
phone +86 535 6300139

KUALA LUMPUR, MALAYSIA

dennis@isolectra.com.my
phone +60 3 78469988

MOSCOW, RUSSIA

office@vmi-group.ru
phone +7 495 7950332

RUNDING, GERMANY

info@vmi-az.com
phone +49 9971 76139-0

BERGAMO, ITALY

sales@vmi-group.com
phone +39 0307 365399

SÃO PAULO, BRAZIL

raraujo@vmi-az.com
phone +55 11 22792520

WORLD WIDE SUPPORT

24 HOURS AT CALL: + 31 651 533 912

