Plants

Complimentary products for the asphalt production

Bitumen processing-, storage- and heating systems
Ammann is a world-leading supplier of mixing plants, machines and services to the construction industry with core expertise in road building and transportation infrastructure. Our strengths are the forthcoming approach of a family firm that has been operating for many years, coupled with our strong and well-established international presence. Ever since 1869 we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions which are as competitive as they are dependable.

True to our motto “Productivity Partnership for a Lifetime” we gear our activities totally to the needs and requirements of our clients across the globe. We are aware that plants and machines which prove their merits day after day under tough operating conditions are the only way to give our clients the critical competitive edge that they need. As you would expect, we provide a well-developed service network and reliable supplies of spare parts, together with support throughout the entire lifetimes of the plants and machines that we offer.

Ammann: One brand – grown over years

Intelligent compaction
Ammann manufactures mixing plants, compactors and pavers at nine of its own production locations. Over 100 agencies and sales partners work directly for our customers throughout the world. Expert round-the-clock service and a high-quality spare parts service are guaranteed.

Asphalt mixing plants
Ammann is the only manufacturer of asphalt mixing plants to develop and produce all the system components (including controls, screens, dryers, burners, mixers and filters) in-house on the basis of an integrated concept. This enables us to offer our customers an optimised complete solution, with all elements of the plant ideally coordinated – from process analysis and design of the system components through to controls for all components of the plant. Well over 4000 Ammann asphalt mixing plants are in operation every day under tough conditions – a figure that speaks for itself.

Concrete mixing plants
Ammann Elba holds a leading position as a manufacturer of both modern concrete compulsory mixers and complete mixing plants offering reliable and economic plant solutions for the production of high quality concrete. Ammann Elba offers a wide range of mixing plants covering all major sizes in mobile and stationary applications. Planetary counter-current mixers, modules for the production of precast concrete and linear storage bins complement the product range.

Compaction
A complete line of state-of-the-art Ammann compaction products is manufactured at two dedicated production sites. From 62 kg Rammers up to 25 000 kg Vibrating Rollers, from Attachment Compactors to Intelligent Compaction Systems – with experts for all compaction applications Ammann ensures maximal customers benefit. The global network of distribution companies and distribution partners ensures the utmost support of our customers – everywhere, at any time.

Road pavers
Our Paver family consists of seven base machine types. Within a weight range of 1 to 15 t, these pavers offer paving widths from below 1 metre up to 6.5 metres. You will find the right paver to meet even the most demanding job requirements from footpaths, cycle tracks and rural roads over to parking lots, municipal, urban and main roads as well as resurfacing work.
The Moditec is a fully automatic, easily transportable polymer modified bitumen plant. With a capacity up to 30 t/h, the Moditec is the perfect match for all markets. The plant offers full flexibility with different mix designs and recipes.

“For contractors of highways, bridges, airports, viaducts and dense traffic roads.”
Polymer Modified Bitumen; is used wherever extra performance and durability are desired

- Provides high skid resistance
- Reduces noise levels
- Improves performance under heavy traffic conditions
- Delays cracking and reflective cracking
- Increases fatigue life
- Durable in extreme climatic conditions and high rainfall regions
- Rutting resistance
- Prevents from thermal cracking and stripping
- Resistance to high climate changes
- Optimizes maintenance costs
<table>
<thead>
<tr>
<th>Technical data Moditec</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>High shear mill – 1500 rpm. Soft starter controlled</td>
<td>Electrical or thermal oil heating</td>
</tr>
<tr>
<td>Heated tanks on load cell weighing systems</td>
<td>Screw conveyors on load cells</td>
</tr>
<tr>
<td>Graphite based soft seals for mill with water cooling system</td>
<td>10 m³ big bag polymer silo with screw conveyors on load cells</td>
</tr>
<tr>
<td>Inverter controlled mill feeding pump with 50 m³/h capacity</td>
<td>Separate control cabin</td>
</tr>
<tr>
<td>Pneumatic valves in all piping</td>
<td>as1 computer integration</td>
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<tr>
<td>7 m³ batch tank capacity with 60mm rock-wool insulation, heating lines and dual agitators</td>
<td></td>
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<tr>
<td>Touch screen monitor for full automatic operation</td>
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<tr>
<td>Statistical data reporting and archiving</td>
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</tbody>
</table>
The Emultec 15 is the perfect solution for big projects. The bitumen emulsion plant offers top flexibility with different mix designs and recipes. Its compact dimensions make the Emultec 15 easy to transport to different job-sites.

Usage of emulsified bitumen

- Tack coat between binder and wearing courses
- Prime coat
- Surface dressing
- Slurry seal
- Micro surfacing

Benefits at a glance

- Up to 15 t/h capacity
- Fully automated control and reporting system by SCADA based software over PLC
- Flexibility for different mix designs and recipes
- Hot water inlet
- Automatic cleaning system
- Remote customer service via internet
- Easily transportable, suitable for container

The Emultec 15 is the perfect solution for big projects. The bitumen emulsion plant offers top flexibility with different mix designs and recipes. Its compact dimensions make the Emultec 15 easy to transport to different job-sites.

Usage of emulsified bitumen

- Tack coat between binder and wearing courses
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<thead>
<tr>
<th>Technical data Emultec 15</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Semi-auto or automatic operation possibilities</td>
<td>Electrical or thermal oil heating</td>
</tr>
<tr>
<td>Colloidal mill</td>
<td>Additional kerosene / diesel feeding line</td>
</tr>
<tr>
<td>Stainless steel premix tanks on load cells</td>
<td>Separate control cabin</td>
</tr>
<tr>
<td>Heating lines for rapid heating of water</td>
<td></td>
</tr>
<tr>
<td>Stainless steel pump and flow meter</td>
<td></td>
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<tr>
<td>Bitumen flow meter with heated body</td>
<td></td>
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<tr>
<td>Barrel pump for additional safety</td>
<td></td>
</tr>
<tr>
<td>Touch screen monitor</td>
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</tbody>
</table>
Emultec 4
Flexible emulsion production at every job-site

With its compact design and simple process, Emultec 4 is the perfect solution for different job-sites. The system is easy to transport and offers many solutions to the different emulsion needs.

Usage of emulsified bitumen

• Tack coat between binder and wearing courses
• Prime coat
• Surface dressing
• Slurry seal
• Micro surfacing

Benefits at a glance

• Up to 4 t/h capacity
• Semi-automated control and reporting system by SCADA based software over PLC
• Colloidal mill
• Flexibility for different mix designs and recipes
• Easily transportable, suitable for container
• Hot water inlet
Technical data Emultec 4

<table>
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<tr>
<th></th>
<th>Options</th>
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<tr>
<td>Stainless steel premix tank on load cells</td>
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</tr>
<tr>
<td>Heating lines for rapid water heating</td>
<td>Additional kerosene / and diesel feeding line</td>
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<tr>
<td>Stainless steel WAE pump and flow meter</td>
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<tr>
<td>Bitumen flow meter with heated body</td>
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<tr>
<td>Barrel pump for additional safety</td>
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Heattec
Flexible thermal oil heating system

The Heattec system is the fastest solution to generate heat from bitumen tanks to asphalt plants. The intelligent system is the perfect solution for all customers who have easier access to different fuel types than electricity.

**Benefits at a glance**
- From 200,000 kcal/h to 2,000,000 kcal/h capacity
- Double line, double pipe heating coil
- Suitable with burner for all fuel types
- Complete system with expansion tank and circulation pumps
- Dual high pressure switches for increased safety

**Technical data Heattec**
- Inner elements with heat resistance over 1000 °C
- Flange connections suitable for any system
- Continuous temperature control system for efficient fuel consumption
- Seamless steel DIN 2448 heating coil
- 60 mm rock wool insulated body with aluminum cover
- 230 °C maximum operating temperature
“For customers who have easier access to different fuel types than electricity.”
Drumtec
High efficient drum melting system

With two different capacity models, Drumtec offers high capacity drum melting technology for bitumen storage and continuous use. It is the perfect solution for customers who have easier access to bitumen supply in drums.

Advantage

- Enabling diversity for bitumen supply
- Enabling to stock bitumen during low season

Benefits at a glance

- Up to 10 t/h melting capacity
- Hydraulic barrel lifting mechanism
- Barrel chambers with dedicated thermic oil lines
- Bottom reservoir for bitumen storage
- Easy transportation, container size

Technical data Drumtec

<table>
<thead>
<tr>
<th>Description</th>
<th>Specifications</th>
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<tbody>
<tr>
<td>Different models with 24 – 30 barrel capacity</td>
<td></td>
</tr>
<tr>
<td>12 tons bitumen storage with heating lines</td>
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</tr>
<tr>
<td>60 mm rock wool insulation covers the entire body</td>
<td></td>
</tr>
<tr>
<td>50 m³ bitumen discharge pump</td>
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</tbody>
</table>
Inner view.

Heating lines.

Drum loading.

Lifting mechanism.
Ammann Australia Pty. Ltd. | Narangba 4504

Ammann Austria GmbH | 4113 St. Martin im Mühlkreis

Ammann do Brasil | CEP: 94180-452 Gravatá/RS

Ammann Bulgaria | 1700 Sofia

Ammann Construction Machinery Shanghai Co. Ltd. | Shanghai 201700

Ammann Czech Republic a.s. | 54901 Nové Město nad Metují

Ammann Asphalt GmbH | 60200 Brno

Ammann France SAS | 94046 Créteil/Cedex

Ammann Asphalt GmbH | 31061 Alfeld (Leine)

Ammann Verdichtung GmbH | 53773 Hennef

Ammann Elba Beton GmbH | 76275 Ettingen

Ammann Apollo India Private Ltd. | Ahmedabad 380 009

Ammann South East Asia | Jakarta 11530

Ammann Italy S.p.A. | 37012 Bussolengo

Ammann Kazakhstan LLP | Almaty 050051

Ammann Benelux B.V. | 7730 SK Ommen

Ammann Polska sp.z.o.o. | 02-230 Warszawa

Ammann Group Romania S.R.L. | 077125 Magurele

Ammann Russia o.o. | 127 473 Moscow

Ammann Singapore Pte. Ltd. | 307591 Singapore

Ammann Iberia S.L | Madrid

Ammann Construction Machinery South Africa | Benoni 1500

Ammann Scandinavia | 211 20 Malmö

Ammann Switzerland Ltd. | 4901 Langenthal

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Detailed information can be found at: www.ammann-group.com