

ASPHALT BATCH CLASSIC

VALUETEC

RELIABLE
PERFORMING
COST-EFFECTIVE



READY FOR TODAY AND TOMORROW
EASY UPDATES THROUGH SMART DESIGN

AMMANN

A WINNING RATIO

The ABC ValueTec asphalt-mixing plant offers an optimal balance between affordability and high performance, making it an ideal solution for efficient and cost-effective asphalt production.





AMMANN

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AMMANN BATCH PORTFOLIO

Consistent from start to finish.
Ammann batch plants provide the
harmony that is crucial to your mix quality.

All plant processes and components are carefully developed to ensure that feeding, heating, drying, screening and mixing seamlessly blend together. Helping integrate all the moving parts is the as1 Control System, which provides leading technology with a user-friendly interface.

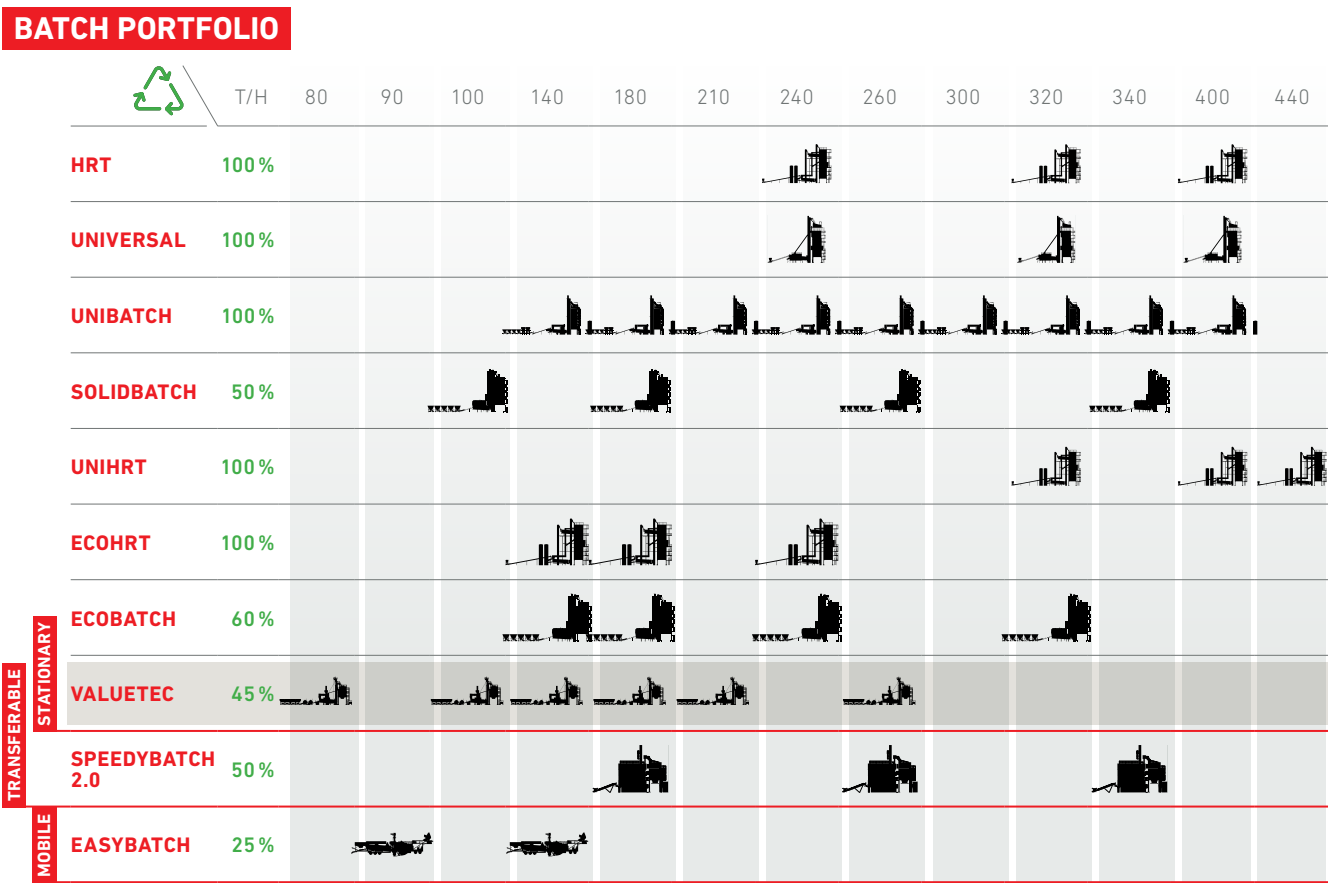
Some things never change

Ammann has had a presence in road construction equipment for over 150 years, collecting experiences and know-how and developing the technologies of the future.

What hasn't changed is how Ammann does business. To this day all core components are engineered and

manufactured in-house to create a perfect fit and ultimately provide quality, efficiency and long life. This approach also means a single point of contact for virtually all plant needs.

A century of industry expertise, meanwhile, ensures an understanding of your business and the development of plants that provide real-world solutions.

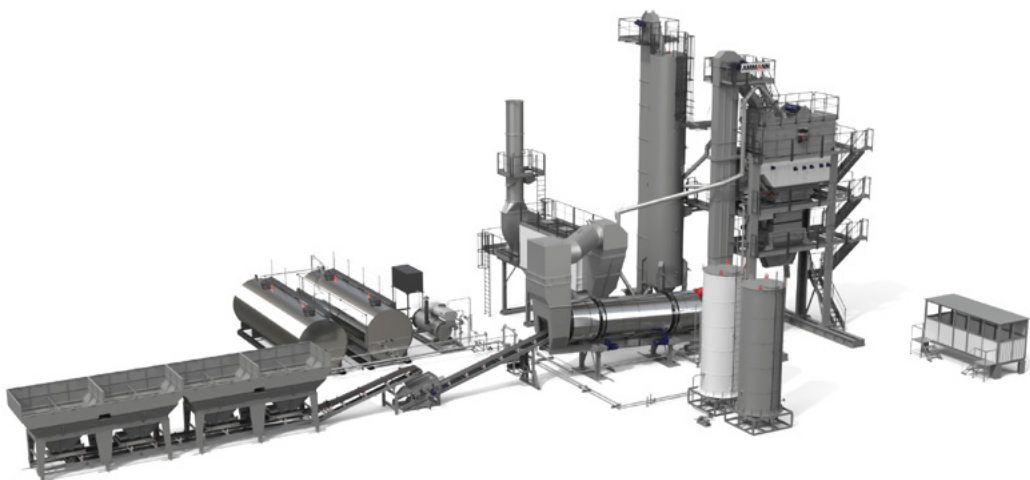


AMMANN VALUETEC PLANT PERFORMANCE

PLANT TYPE	80	100	140	180	210	260
CONTINUAL PLANT CAPACITY AT 3% MOISTURE **	80 t/h	100 t/h	140 t/h	180 t/h	210 t/h	260 t/h
NUMBER OF COLD FEEDERS	4-5	4	4-5		5-6	
CONTENT COLD FEEDERS	8 m ³		12 m ³			15 m ³
DRUM DRIVE	4 × 4 kW		4 × 9.5 kW	4 × 11 kW		4 × 15 kW
BURNER POWER OUTPUT	7 MW		10 MW	14 MW		18 MW
FUEL TYPES	Light or heavy oil					
FILTER CAPACITY	20 000 m ³ /h	27 000 m ³ /h	41 000 m ³ /h	55 000 m ³ /h	59 930 m ³ /h	77 000 m ³ /h
FILTER SURFACE	200 m ²		420 m ²	483 m ²	565 m ²	724 m ²
SCREEN WIDTH / LENGTH	1.2 m / 3 m		1.5 m / 3.6 m		1.8 m / 4 m	
SCREENING	4-fraction		4- or 5-fraction		5- or 6-fraction	
SCREEN SURFACE	13 m ²		20 m ²		33 m ²	
HOT MINERAL SILO	16 t		29 t		56 t	
AGGREGATE SCALE	1200 kg		2500 kg		3300 kg	
FILLER SCALE	200 kg		300 kg		300 kg	
BITUMEN SCALE	150 kg		200 kg		325 kg	
MIXER SIZE / MAX. CONTENT *	1.2 t		1.7 t	2.2 t		3.3 t
BITUMEN TANK CAPACITY	15 m ³ , 30 m ³ or 50 m ³ – Horizontal – Thermic oil heated					
FUEL TANK CAPACITY (LIGHT AND HEAVY OIL)	18 000 l, 25 000 l – Vertical – Thermic oil heated for heavy oil					
FILLER SUPPLY	Reclaimed and imported filler silos					
HOT MIX STORAGE SILO CAPACITY	50 t (one compartment)		45 t (one compartment)		100 t (two compartments)	
RECYCLING ADDITION	Up to 30% (cold feed RAC30) Up to 45% (RAC30 + 15% hot feed) Up to 50% hot feed (RAH50 2 nd Gen.) Up to 60% hot feed (RAH60)					

* The improved addition of filler and bitumen into the mixer increases mix efficiency of 85 batches per hour.

** Hot mix production capacity based on following conditions: 10% bitumen and filler addition, input moisture of aggregate 3%, Aggregate temperature increase 175 k and 0/2 fraction share max. 40% | Mixing cycles 85 per hour.



A SIMPLE AND CLEAR CONCEPT

The Valuetec line has plants with outputs ranging from 80 to 260 ton per hour, ensuring customers have the production that matches their needs.

Cutting-edge technology at an affordable price

Designed for efficiency, productivity, and versatility, ABC ValueTec plants are the ideal solution for business owners seeking straightforward operations with options for customization. Whether you need a basic setup or a more advanced system, our plants can be tailored to meet your specific requirements, or eventually upgraded in a second moment.

- Exceptional cost-performance ratio, ensuring maximum value;
- Easily customizable with a wide range of compatible options;
- Compact design fits into standard containers for cost-effective transportation;
- Harmonized burner and drying drum for fuel-efficient drying;
- Twin-shaft paddle mixer guarantees high-quality mixing at a consistent production rate;
- Choose ABC ValueTec for reliable, adaptable, and affordable plant solutions that grow with your business.



■ ■ COST-EFFECTIVE
INITIAL
INVESTMENT,
READY FOR
PRODUCTION. ■ ■



VALUETEC: ADVANTAGE OVER ALL OTHERS

Exceptional performance, reliability and quality are the cornerstones of our customer commitment. These criteria create unique advantages that separate the Valuetec from competitors' plants.

We continuously invest in technology and innovation to ensure the best solutions for efficiency, energy savings and sustainability. The utilisation of recycled asphalt lessens the plant's environmental impact while offering scalable solutions for specific needs.

Optimised transport and on-site assembly bring flexibility, cost effectiveness and immediate production to our customers.

Last, but certainly not least, is the highly advanced as1 Control System that furthers production efforts.



SUSTAINABLE SOLUTIONS

- Designed for using:
 - up to 30% cold RAP (RAC30);
 - up to 45% (RAC30 + 15% hot RAP);
 - up to 50% hot RAP (RAH50 2nd Gen.);
 - up to 60% hot RAP (RAH60);
- Designed to produce **cold, warm, and hot** mix;
- Optimised and modular products can be upgraded at any time.



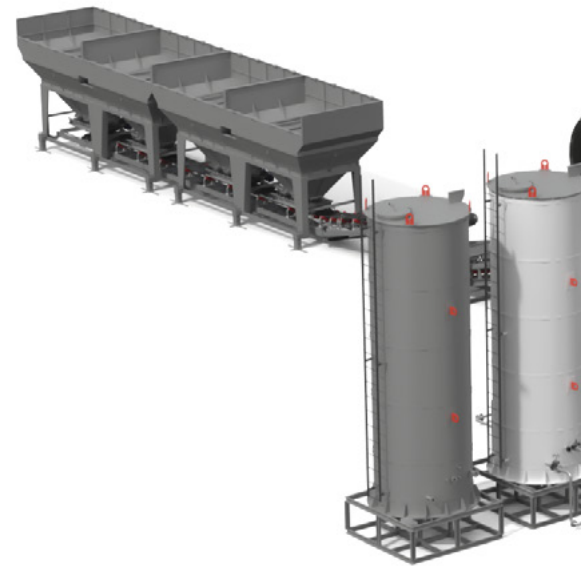
EFFICIENCY & ENERGY SAVING

- Ammann technology provides efficient energy consumption compared to competitive plants;
- Low energy consumption = low CO₂ emissions;
- Low energy consumption = reduced operating costs.



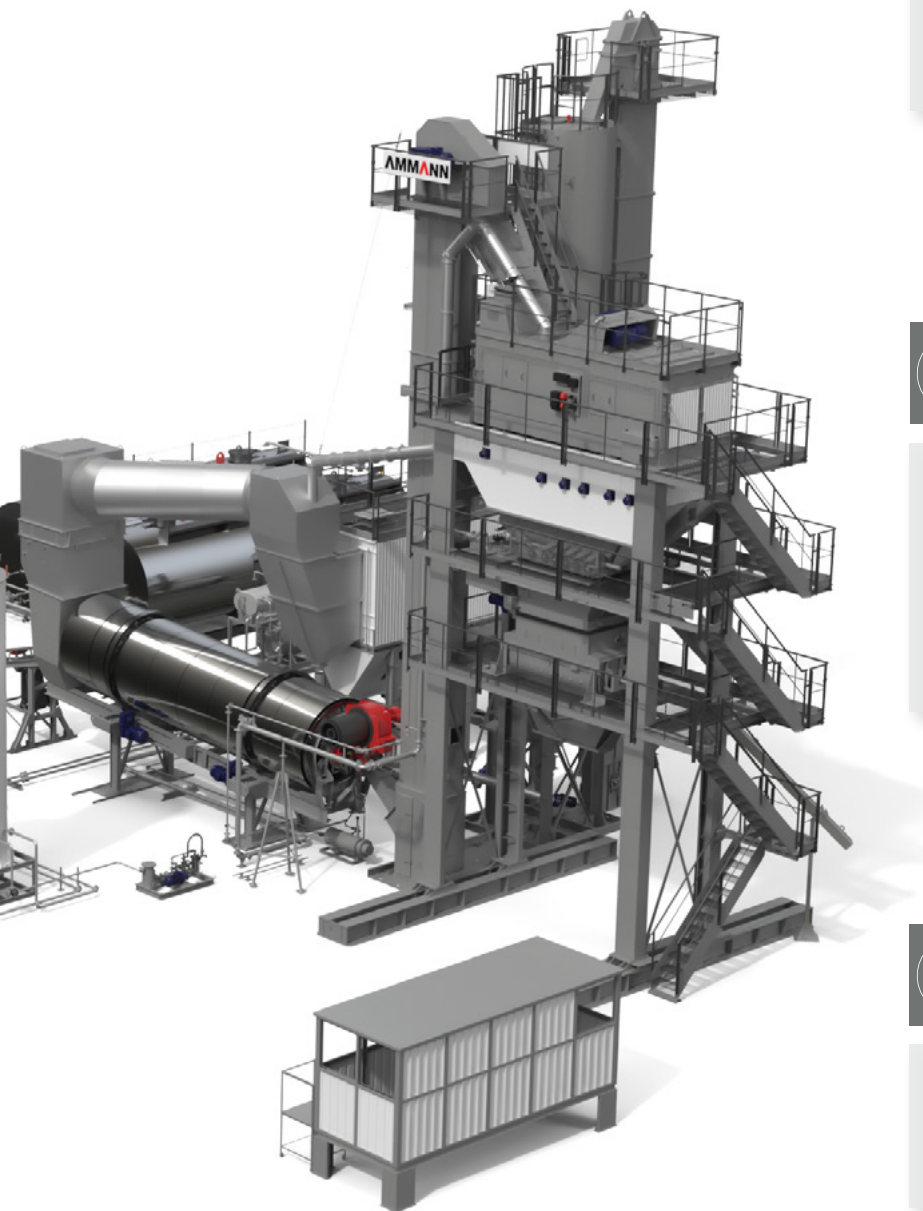
TRANSPORT & INSTALLATION

- Best TCO (Total Cost of Ownership) on the market;
- Low-cost handling and transport;
- Quick installation.





Batch mixing
process



LOW ENVIRONMENTAL IMPACT

- All plants designed:
 - To be aesthetically pleasing or out of view;
 - To provide scalable solutions for air, sound and odour emissions.



QUALITY & RELIABILITY

- Ammann provides excellent value in dryers and burners, filter bags, screens and mixers, and control system;
- All core parts are designed in Switzerland;
- Special solutions such as Amdurit and Ammatex solve real customer problems.



AS1 CONTROL SYSTEM

- At work in more than 3000 plants globally;
- Most innovative and complete system ever designed for asphalt plants.



QUALITY & RELIABILITY



Learn more

Ammann asphalt-mixing plants utilise complex process engineering that requires perfect interaction between all individual components.

So essential is this integration that Ammann engineers all core components in-house – including drums, burners, filters, screens, controls and mixers.

Doing so is the only way to guarantee that our plants will meet the demanding requirements and standards of the modern market environment. Ammann is currently the only manufacturer of asphalt-mixing plants to offer this single-source approach, establishing us as a professional partner to handle every aspect of your asphalt-mixing plant. We provide answers when you need them and keep an open mind in order to fully understand your needs.

AMMANN



DRYER DRUM

- A single manufacturer provides all drying / heating / exhaust management processes, ensuring perfect attunement;
- A wide range of dryer sizes for plant capacities up to 400 ton per hour to meet varied needs;
- Optimised heat transfer stages and dryer insulation for maximum efficiency and fuel savings;
- Low-wear, low-maintenance design with high material quality and easy exchange of wear parts;
- Adaptable internal dryer design for use of varied aggregates and fuels.



BURNER

- Multi-fuel firing with simultaneous or alternating combustion of up to three fuel types for maximum flexibility;
 - A highly effective combustion process for low fuel consumption and emissions;
 - Combustion of solid pulverised fuel without the need of a supporting flame;
 - Integrated soundproofing for reduced sound; further reduction possible through a frequency converter;
 - Safety concept meets regulations of all countries.
- Available for varied liquid, gas and solid fuels:
 - Light oil
 - Heavy oil
 - Waste oil
 - Bio oil
 - Kerosene
 - LPG
 - Natural gas
 - LPG in a gas state



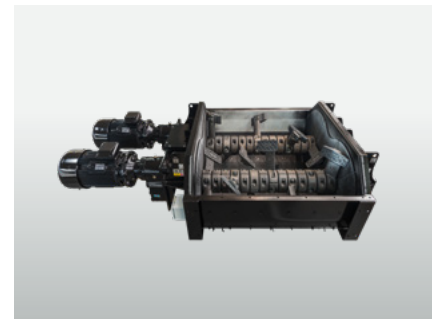
FILTER

- Proprietary rotor step mechanisms gently clean the filter bags;
- Filtration efficiency of 99.9% ensures compliance;
- The largest possible surface provides optimal filtration efficiency;
- Minimal moving parts reduce maintenance and improve reliability;
- High-quality aluminium supporting cages are acid resistant;
- The CFD-supported baghouse design reduces temperature and pressure losses.



SCREEN

- Precisely controlled variables include stroke angle, amplitude, frequency, screen body design and mesh geometry. The result is the highest-performing screens in the market;
- Optimised for high temperatures;
- The screen is state-of-the-art;
- Easy integration due to identical interfaces.



MIXER

- Minimal wear through protected components and an efficient mixing process;
- Compulsory twin-shaft mixer provides highest shear forces;
- Optimal homogeneity and mixing time through the unique Ammann paddle arrangement;
- Maximum sequence design flexibility that enables production of special mixes.



EFFICIENCY & ENERGY SAVING

Ammann plants enable customers to carry out their duties efficiently and productively. The plants help customers work smarter, not harder.

Filter

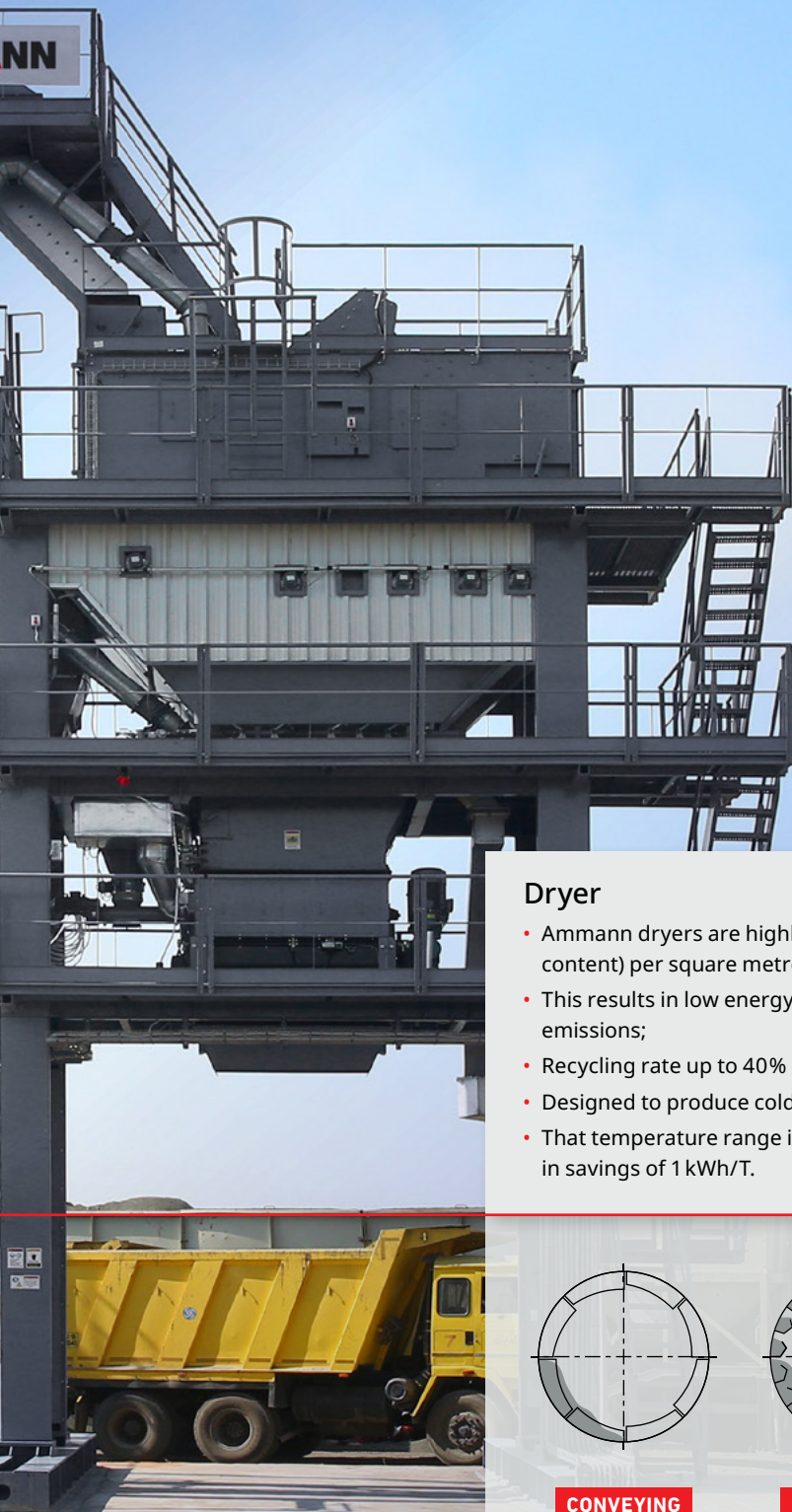
- Less pressure lost means lower energy consumption.
- The new design ensures uniform distribution of exhaust air inside the filter.
- Proper distribution/filling utilises more of the bag surface and improves efficiency.

Burner

- New technology controls the flame shape.
- More power can be given in smaller dryers, resulting in efficiency and energy savings per ton of aggregates dried and heated.
- A special software optimises air/fuel mixing for increased combustion efficacy, leading to significant annual savings in fuel.

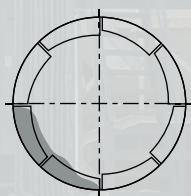


Our sustainable
promise

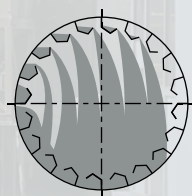


Dryer

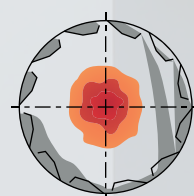
- Ammann dryers are highly efficient at production levels of up to 64 t/h (at 3% moisture content) per square metre – 22% more efficient than the existing standard;
- This results in low energy consumption, which in turn reduces fuel costs and CO₂ emissions;
- Recycling rate up to 40% at 2% H₂O;
- Designed to produce cold, WMA, and hot mix asphalt;
- That temperature range is 20°C less than competitive dryer drums and can be measured in savings of 1 kWh/T.



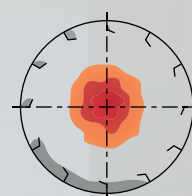
CONVEYING



CONVECTION



RADIATION



DISCHARGE



EFFICIENCY & ENERGY SAVING



AMMANN FOAM

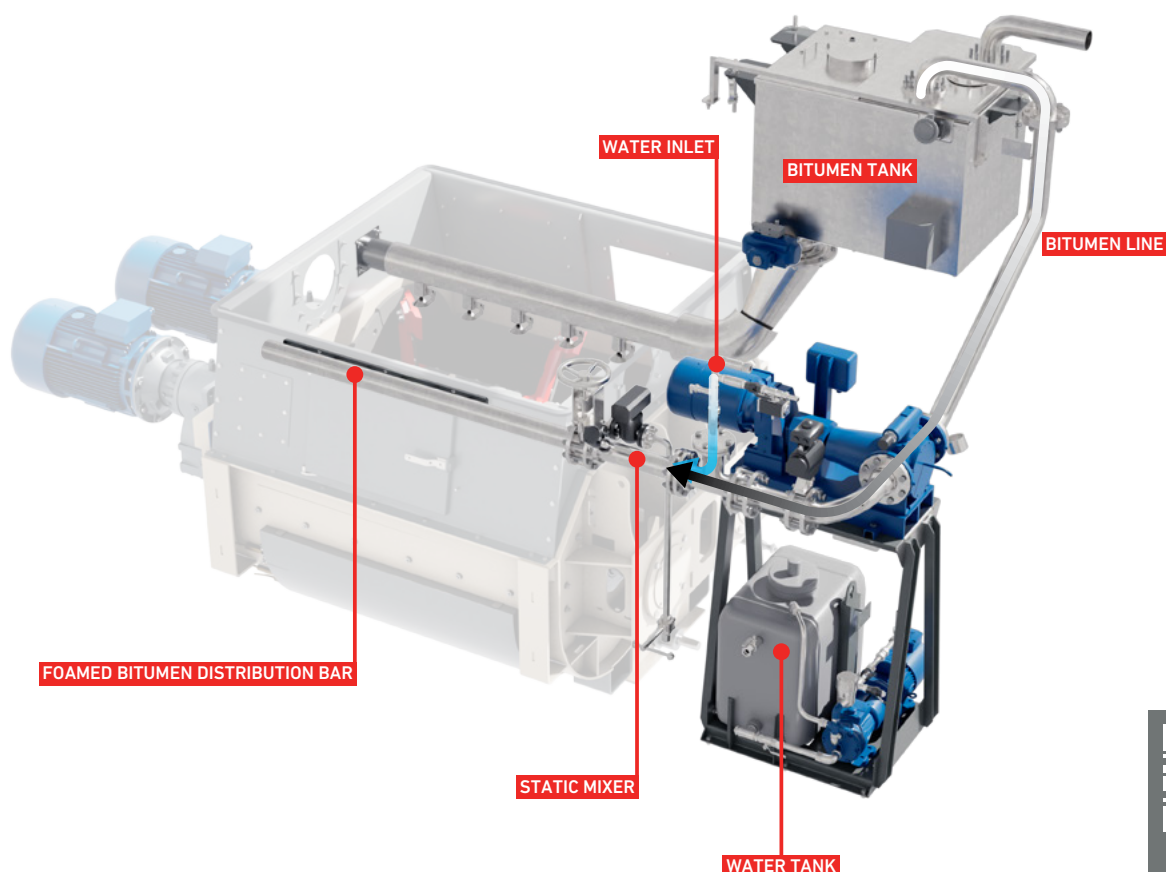
Ammann believes low temperature asphalt mixes are the future of the asphalt industry. Therefore, we developed the Ammann Foam System in collaboration with our customers and internal experts.

The low temperatures associated with the use of Ammann Foam provide big advantages:

- Higher workability during mix production and placement;
- Improved compaction performance;
- Extension of the paving season;
- An ability to deliver mixes longer distances;
- Better recycling performance.

Using Ammann Foam to produce warm mix asphalt (WMA) provides additional benefits:

- Reduced VOC emissions from bitumen;
- Lower levels of gas emissions and CO₂ from savings in drying and heating of virgin aggregates;
- Diminished fumes, emissions and odours;
- Quicker opening of roads to traffic;
- Savings in production costs through reduced energy consumption.



Learn more

AS1 ECOVIEW

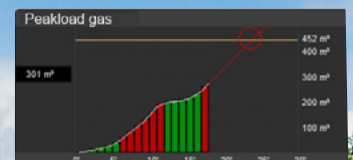
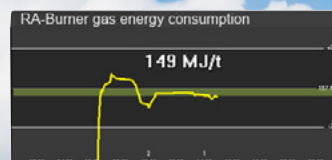
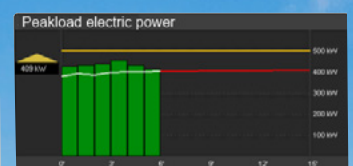
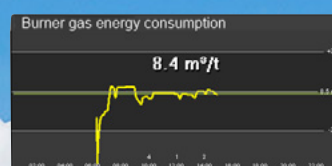
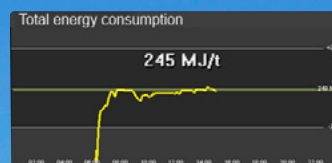
This AS1 module helps uncover and eliminate energy waste.

An intuitive display informs operators and enables immediate adjustment. This gives operators the data they need to make decisions around throughput and material control to maximize savings and efficiencies

EcoView also determines the values of emitted CO₂ and calculates energy costs that result when adjustments are made, and operations become more efficient.

HIGHLIGHTS

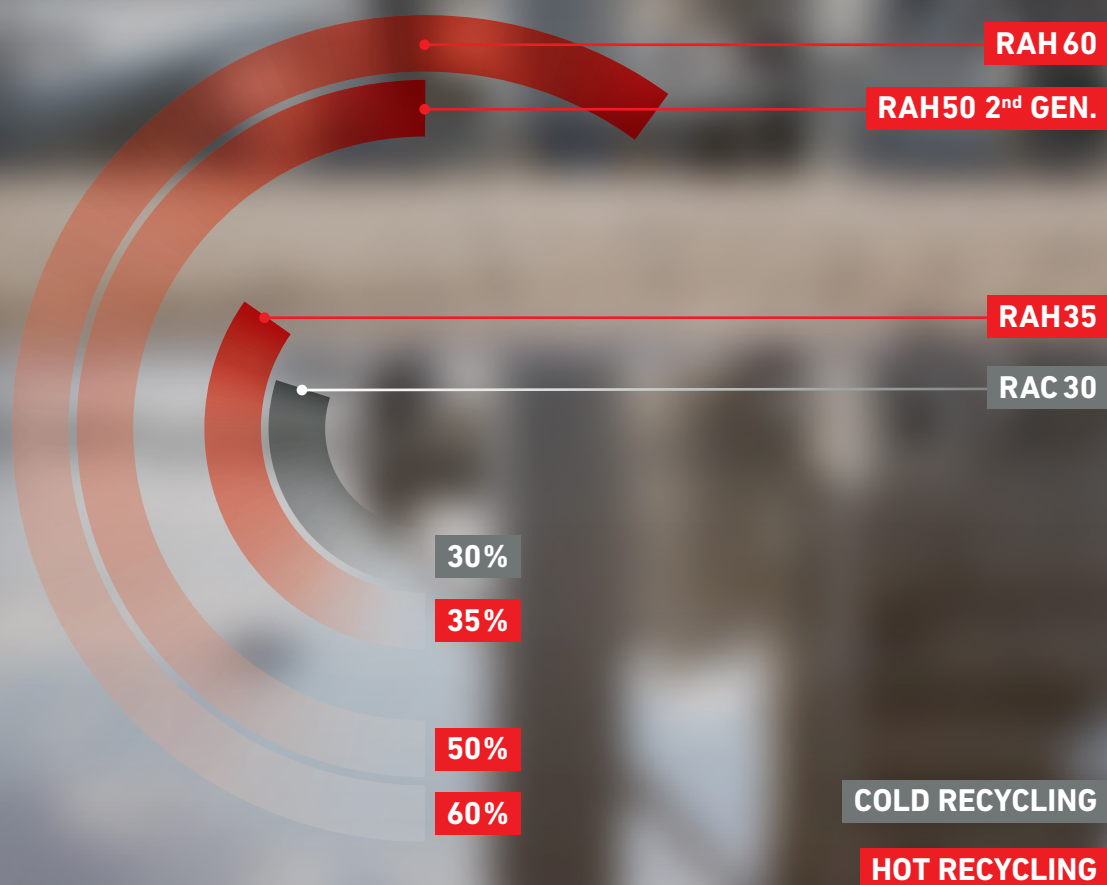
- Intuitive operator display showing how efficient the plant runs;
- Displays key values and enables comparison to reference values and previous periods;
- Determines the emitted CO₂ values;
- Determines the resulting energy costs.





SUSTAINABLE SOLUTIONS

The use of recycled asphalt is a necessity given today's sustainability needs. Ammann is a world leader in the development of RAP technology.



UP TO 30% COLD FEED INTO THE MIXER



BENEFITS

- Recycling rate up to 30%;
- Limited initial investment;
- RAP is dried-heated directly in the mixer in contact with overheated aggregates;
- No sticking in mixing tower;
- New minerals can be screened;
- Batch quantity variable with each load;
- Max. flexibility (recipes);
- Independent from rest of process;
- Smart solution when combined with RAH50 2nd Gen.

UP TO 35% HOT FEED RAH 35



UP TO 50% HOT FEED RAH 50 2nd GEN.



BENEFITS

- Processes RAP proportions of up to 35% (RAH35), or up to 50% (RAH50 2nd Gen.);
- Optimal investment/performance ratio;
- Energy savings through efficient processing of new material;
- Lower emissions, thanks to gentle heating of RAP;
- Advanced technology – as proven by Ammann's industry leadership and three international patents.

UP TO 60% HOT FEED IN PARALLEL DRUM RAH60



BENEFITS

- New minerals can be screened;
- High feed ratio;
- Gentle heating;
- Combinable with cold feed system.



SUSTAINABLE SOLUTIONS

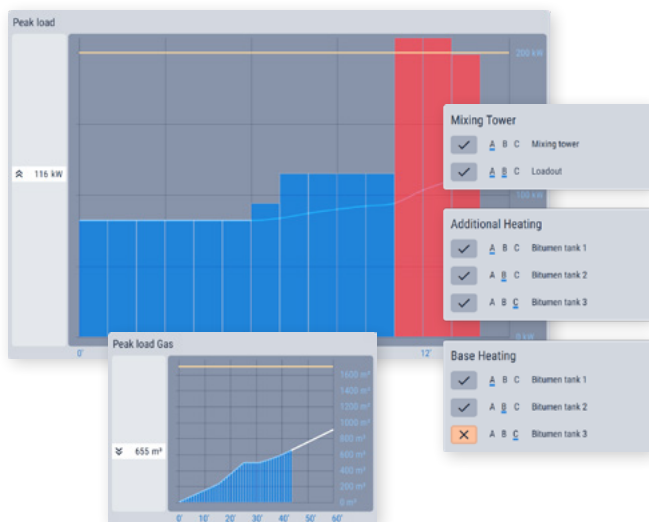
AS1 Peak Load Management

Energy suppliers typically base pricing on usage or capacity. For the latter, the measured peak sets the price. Therefore, it is in the best interest of plant owners/operators to keep usage as low as possible during peak loads.

The AS1 Peak Load Management module continuously monitors peak usage against critical values. It predicts peak times and reduces load during the costliest periods.

Some plant devices can be switched off during these periods. The module also utilises automatic stepping based on forecasts.

Peak Load Management works seamlessly with the AS1 EcoView module and is available for both electricity and gas.



HIGHLIGHTS

- Prevents short-term, expensive usage during peak loads;
- Forecast function;
- Automatic switch off for electrical consumers.

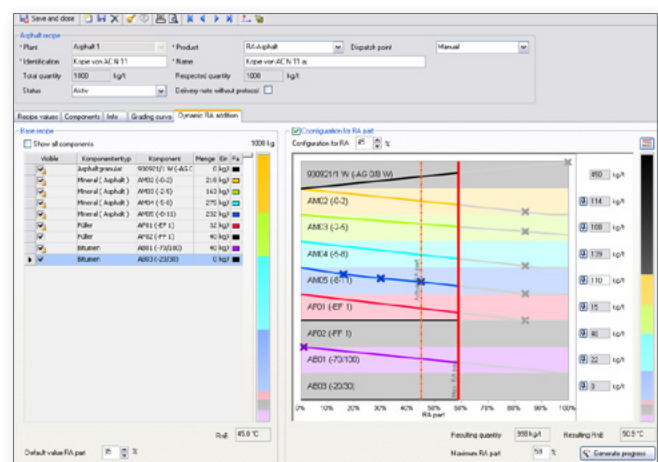
AS1 Dynamic Recycling Addition

The RAD module makes it easy to modify the RAP ratio. An integrated wizard guides the operator through the recipe input process. Slide controls enable adjustment of the RAP ratio during production.

It is designed to ensure that RAP addition, and therefore binder saving, are always maximized: This gives operators the confidence to keep throughput high while maintaining quality as the overarching priority. This, in turn, ensures that efficiency is excellent and therefore profitability is maximized.

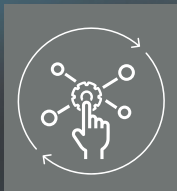
Various RAP ratios in a single recipe

Use of reclaimed asphalt protects natural resources and also offers economical advantages. The optional AS1 module "dynamic RAP addition" makes it easy to modify the RAP ratio in accordance with requirements, even during production.



HIGHLIGHTS

- The integrated wizard guides operator through the recipe input process;
- One recipe is sufficient for numerous RAP ratios;
- Change the RAP ratio by using the slide controls during production.



AS1

CONTROL SYSTEM

The powerful and future-oriented AS1 system concept combines proven Ammann software with specially matched industrial hardware.

The AS1 computing environment has been designed and tested for use in tough environments. Its networking capability also has been optimised. Customers profit from the flexible workstation configuration, networking and administration.

THE FIELD BUS SYSTEM

Guarantees reliable signal transmission

The proven field bus system is robust and reliable under tough operation. Faults can be detected efficiently and rectified by means of the diagnostic tools, even via remote support.

THE POWER CABINET'S COMPONENTS

Designed for tough, round-the-clock operation

The power cabinet's components have to withstand extreme stress 24 hours a day, which is why Ammann only uses tried-and-tested, globally available quality components from renowned manufacturers.

HOTLINE AND SUPPORT

Plant availability assured

Electromechanical faults can be quickly resolved by the customer's own personnel with the help of the electrical circuit diagrams and the AS1 diagnostic tools.

Ammann's knowledgeable customer service team staffs the hotline, which can be called for fault diagnosis or maintenance at any time. Modern telecommunications media increase the availability of the plant and reduce the need for costly on-site servicing.

HIGHLIGHTS

- Comprehensive system functionality;
- Quick and easy to learn;
- Safe to operate;
- Proven field bus and load sharing concept with highest reliability;
- Professional hotline and support organisation ready for service worldwide.





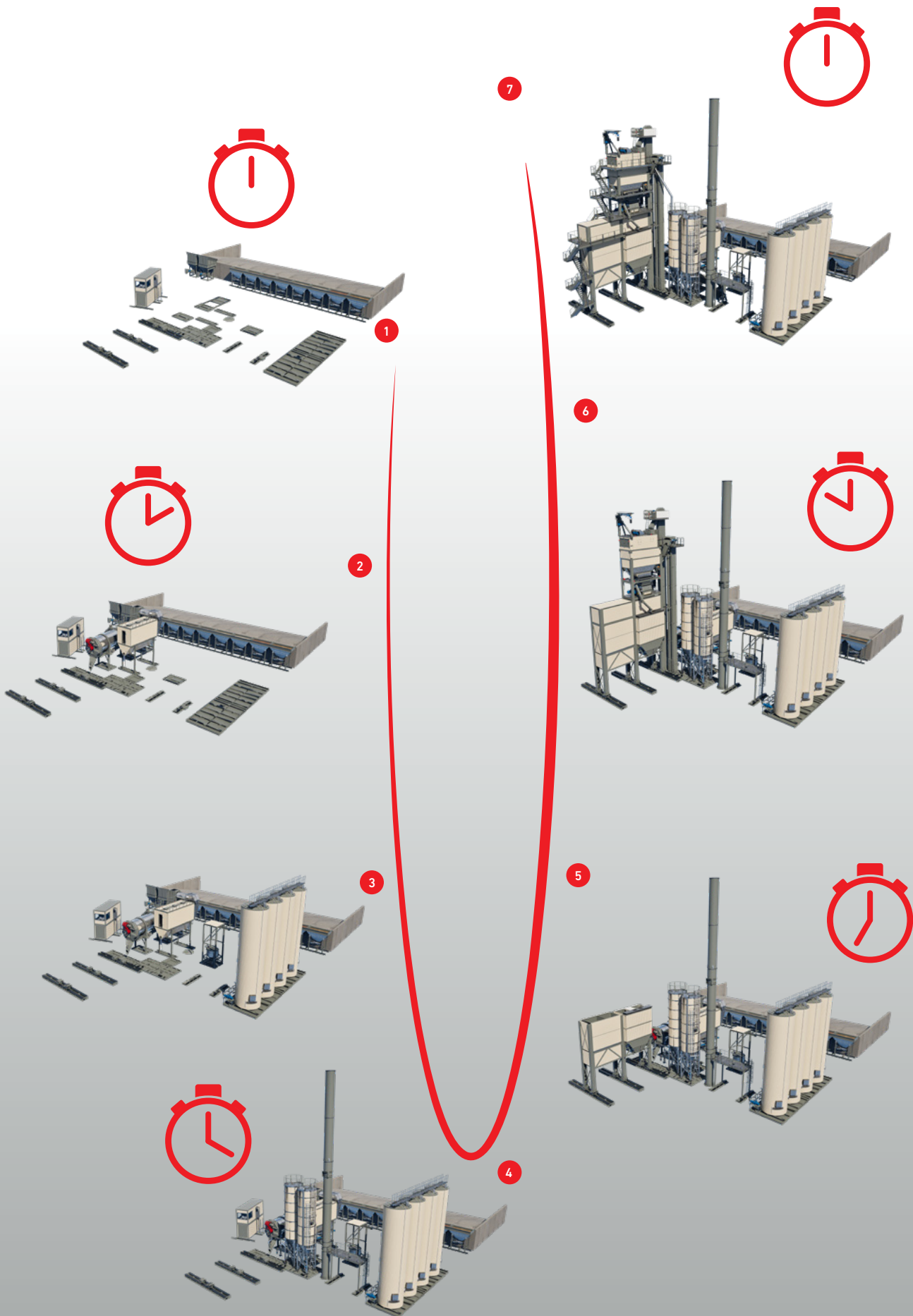
TRANSPORT & INSTALLATION

Ammann plants are designed and engineered to simplify transport and on-site assembly.

Cost-effective transport and erection are essential to customer value. Plant options include steel bases that enable installation on stabilised soil – without the need of a concrete foundation. All cables are pre-assembled and tested in house.



QUICK INSTALLATION



AMMANN AFTER SALES FOR PLANTS

Contracted maintenance services and technician training provided by Ammann help protect your investment, while operator training ensures your team is able to utilise all the features and benefits built into your plant. When your needs change, Ammann offers retrofit options that can provide you with a good-as-new plant at a low cost.

Retrofitting

- Improve the technological level of the plant;
- Increase component life;
- Increase the plant's efficiency.

Original Spare Parts

- Maintain the initial performance of the plant;
- Maximise plant use times (no stops in production);
- Monitor the maintenance costs.



Training

- Increase the plant's efficiency;
- Reduce unnecessary costs;
- Maximise plant use time.

Technical Service

- Assembly and professional testing of the system;
- Technical assistance;
- Preventative maintenance.

AMDURIT

Amdurit, Ammann's proprietary wear-protection system, provides up to three times the service life of wear-resistant steel and protects valuable parts and components.

BENEFITS

- Three times more durable than wear-resistant steel;
- Lower operating costs;
- Longer lifetime;
- Fast installation;
- Reduced downtime.



AUTOMATED LUBE SYSTEM

What if a single procedure could extend the life of your plant, reduce fuel costs and improve safety, too?



BENEFITS

- The Ammlub system is directly mounted on the lubrication point and guarantees continuous relubrication at short intervals;
- Lubricants can be replaced while the plants are running, optimising routine maintenance while keeping your plant productive;
- Improves safety by removing workers from the process;
- Reduces energy costs up to 10%.

AMMATEX FILTER BAGS

Multiple filter bag types are available to ensure you have a perfect fit at your plant.

BENEFITS

- Precise manufacturing ensures quick installation and a perfect fit;
- Suitable for all fuel types;
- Exceptional price/performance ratio;
- Low emission values thanks to proper sealing and fitting;
- Reduced plant operating costs due to extended life of bags.



AMMANN'S GLOBAL PRESENCE

An Innovative, Sustainable Business

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. We are committed to sustainability – in both the products we make and the ways we make them.

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. Since 1869, we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions that are as competitive as they are dependable.

True to our motto, "Productivity Partnership for a Lifetime," we gear our activities to the needs and requirements of our customers around the globe. Plants and machines that consistently prove their merits under demanding conditions are the best way to give our customers the critical, competitive edge they need.

Our reliable, punctual service network provides the essential spare parts that keep our customers working – and supports the plants and machines throughout their lifetimes.

200+ AGENCIES & SALES PARTNERS

20 REGIONAL SALES OFFICES & SUBSIDIARIES

14 MANUFACTURING FACILITIES & CENTRE OF COMPETENCE

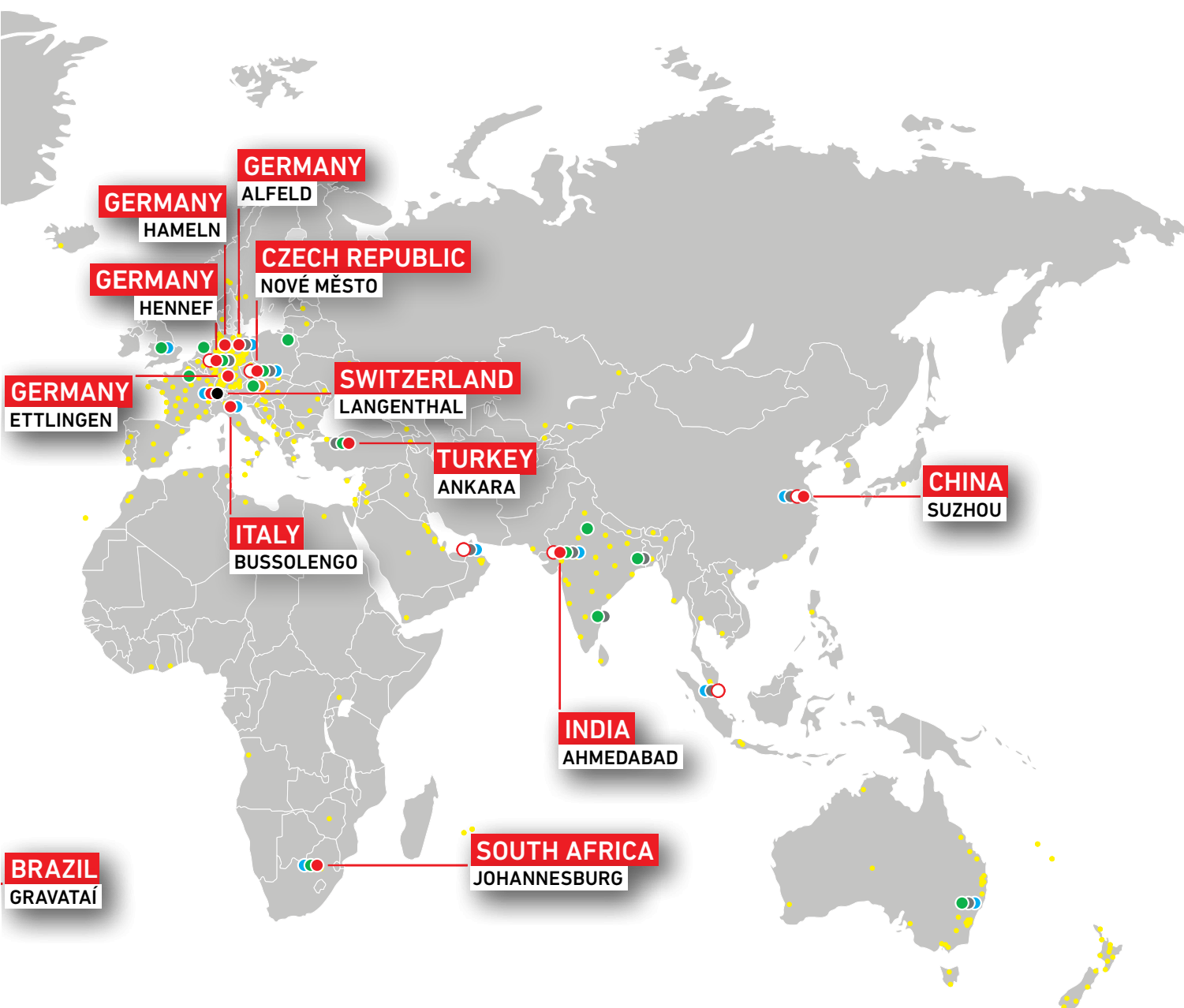
13 WAREHOUSES

12 TRAINING CENTRES



PLANTS

ASPHALT-MIXING PLANTS
CONCRETE-MIXING PLANTS



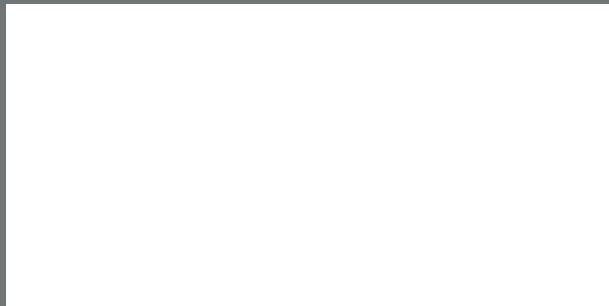
GLOBAL DISTRIBUTION & SERVICE NETWORK

- HEADQUARTERS
- REGIONAL SALES OFFICES
- SUBSIDIARIES
- AGENCIES & SALES PARTNERS
- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- GLOBAL RETROFIT CENTRE
- WAREHOUSES
- TRAINING CENTRES



MACHINES

LIGHT COMPACTION
SOIL & ASPHALT COMPACTION
ASPHALT PAVERS



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