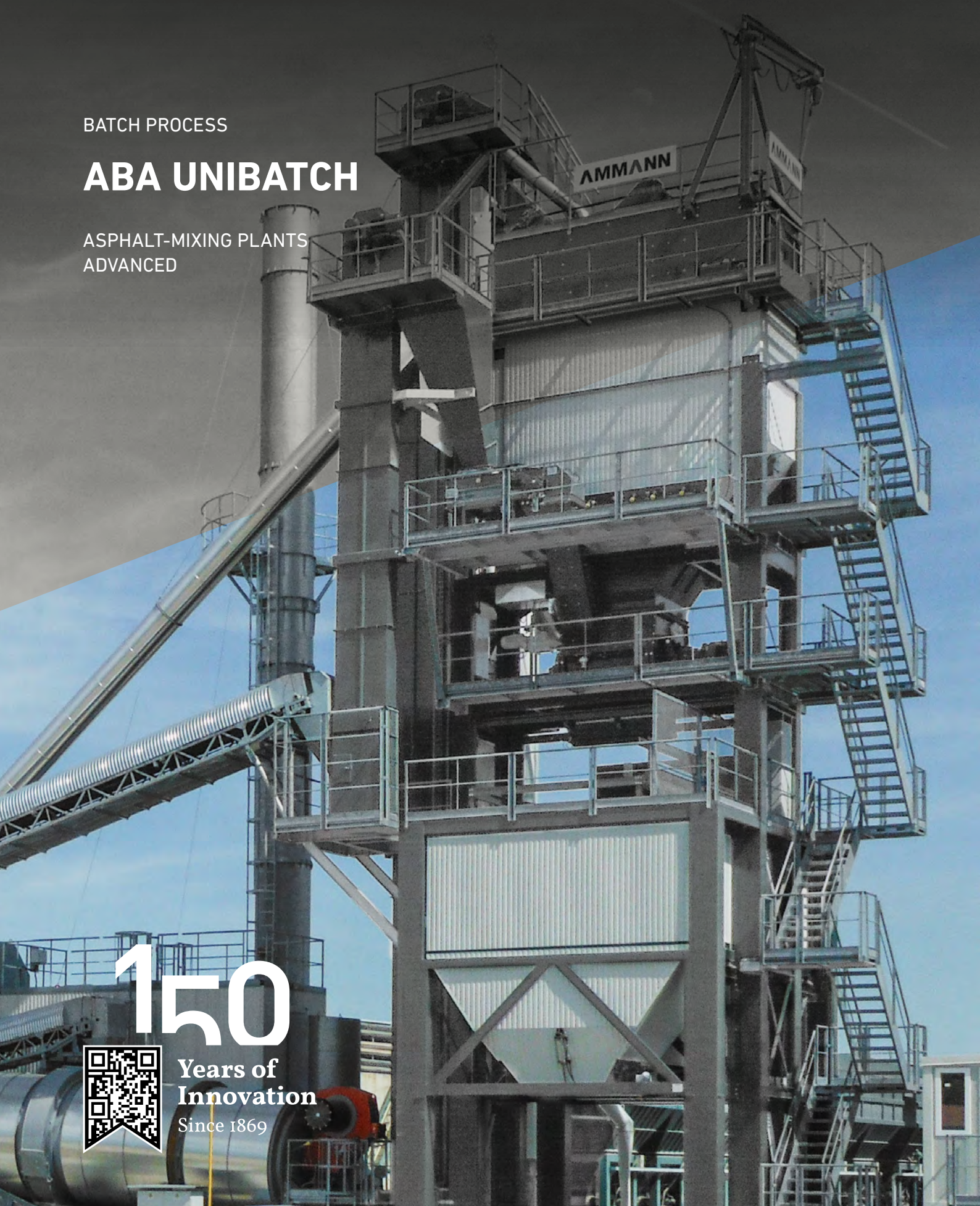


BATCH PROCESS

ABA UNIBATCH

ASPHALT-MIXING PLANTS
ADVANCED



150



Years of
Innovation
Since 1869

AMMANN

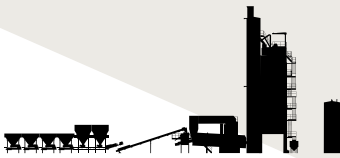
READY FOR TODAY AND TOMORROW

INTUITIVE DESIGN ENABLES EASY UPDATES

Ammann ABA 100–340 UniBatch asphalt-mixing plants provide the productivity you need while delivering cost-savings efficiencies during every step of the asphalt manufacturing process.

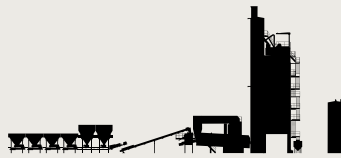
The stationary and semi-mobile plants offer maximum customisation. That includes options that can help you today, as well as an intuitive design that enables easy incorporation of future technologies as they become available.

STANDARD



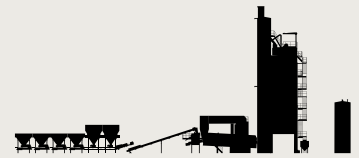
ABA 140 UNIBATCH

MIXER SIZE: 1.7 t
CAPACITY: 140 t/h



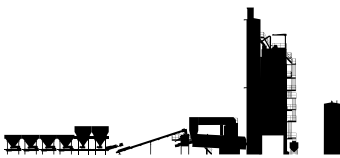
ABA 180 UNIBATCH

MIXER SIZE: 2.2 t
CAPACITY: 180 t/h



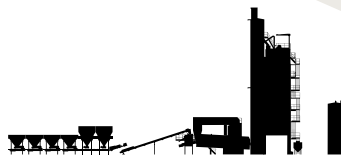
ABA 210 UNIBATCH

MIXER SIZE: 3.3 t
CAPACITY: 210 t/h



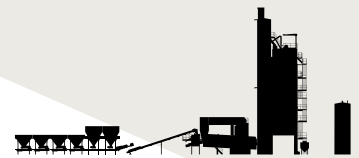
ABA 240 UNIBATCH

MIXER SIZE: 3.3 t
CAPACITY: 240 t/h



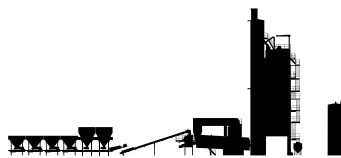
ABA 260 UNIBATCH

MIXER SIZE: 3.3 t
CAPACITY: 260 t/h



ABA 300 UNIBATCH

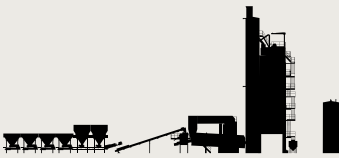
MIXER SIZE: 4.3 t
CAPACITY: 300 t/h



ABA 340 UNIBATCH

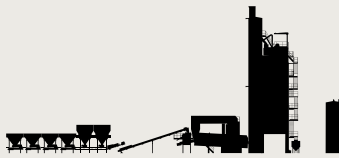
MIXER SIZE: 4.3 t
CAPACITY: 340 t/h

PERFORMANCE



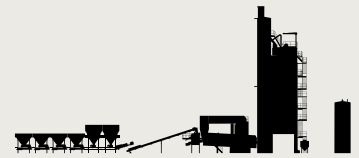
ABA 100P UNIBATCH

MIXER SIZE: 1.2 t
CAPACITY: 100 t/h



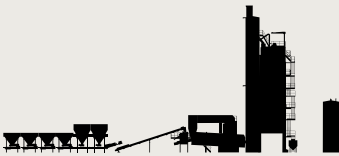
ABA 140P UNIBATCH

MIXER SIZE: 1.7 t
CAPACITY: 140 t/h



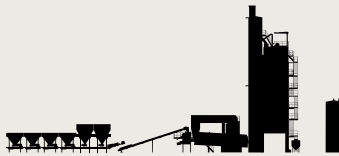
ABA 180P UNIBATCH

MIXER SIZE: 2.2 t
CAPACITY: 180 t/h



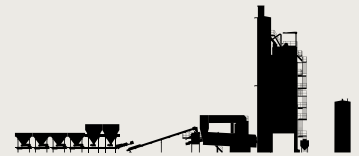
ABA 210P UNIBATCH

MIXER SIZE: 3.3 t
CAPACITY: 230 t/h



ABA 240P UNIBATCH

MIXER SIZE: 3.3 t
CAPACITY: 260 t/h



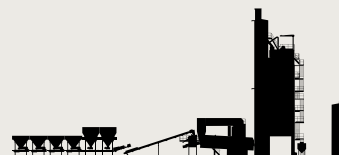
ABA 260P UNIBATCH

MIXER SIZE: 3.3 t
CAPACITY: 260 t/h



ABA 300P UNIBATCH

MIXER SIZE: 4.3 t
CAPACITY: 300 t/h



ABA 320P UNIBATCH

MIXER SIZE: 4.3 t
CAPACITY: 350 t/h

TECHNOLOGY THAT PAYS DIVIDENDS

REDUCE YOUR COSTS, BOOST YOUR PROFITS

Ammann UniBatch plants set the standard for mix production in the 100 to 340 tonnes per hour output classes. The plants rely on technology to deliver productivity and efficiency that add to your bottom line. The plants are optimised to reduce wear, and maintenance is accessible and easy – helping you save time and ensure proper processes are followed.

Reducing your costs and boosting your profit are always at the forefront of Ammann plant designs. UniBatch utilises an exceptionally efficient drying and heating process that conserves energy. The burner control regulates the mix process to ensure reduced consumption – and low emissions. You also can choose the most cost-effective fuel, with options including natural gas, light fuel oil, heavy fuel oil and liquefied gas.

UniBatch also is “future optimised.” The plant delivered to your site is ready for your preferred options. It also includes features that can be retrofitted easily at a later date to ensure your plant always has the latest, most technologically advanced and profitable options.

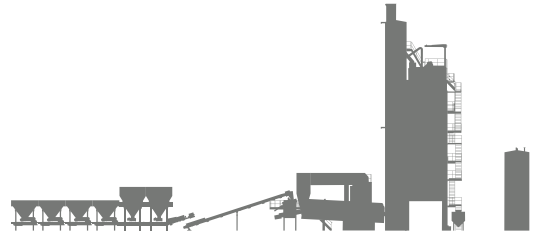
HIGHLIGHTS

- A wide output range from 100 to 340 t/h
- Stationary and semi-mobile versions
- Ultra-fast, homogenous mixing
- Maximum customisation combined with top performance and economic efficiency
- Mixing tower modules optimised for easy transport
- Designed for worldwide use
- Robust, tried-and-tested technology
- Optional feed for additives such as dye pigment, fibres, Ammann Foam and more





ABA UNIBATCH STANDARD

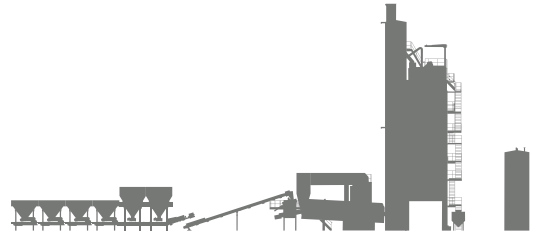


PLANT TYPE*	140	180	210	240	260	300	340
CONTINUAL PLANT CAPACITY AT 3% MOISTURE	140 t/h	180 t/h	210 t/h	240 t/h	260 t/h	300 t/h	340 t/h
NUMBER OF COLD FEEDERS	As desired						
CONTENT COLD FEEDERS	7.5 m ³ -15 m ³						
TYPE DRYING DRUM	T 1870	T 2080	T 2080	T 2390	T 2390	T 25100	T 25100
BURNER POWER OUTPUT	10 MW	14 MW	14 MW	16 MW	18 MW	20 MW	24 MW
FUELS	Natural gas, LPG, light oil, heavy oil, brown-coal dust (BCD), wood dust* (*only with T 27110)						
FILTER CAPACITY AFA G5	28 000 Nm ³ /h	37 000 Nm ³ /h	44 000 Nm ³ /h	50 000 Nm ³ /h	57 000 Nm ³ /h	63 000 Nm ³ /h	70 000 Nm ³ /h
TYPE SCREEN	VA 1536	VA 1536 S	VA 1840	VA 1840 S	VA 1840 S	VA 2050	VA 2050 S
SCREENING	4- or 5-fraction			5- or 6-fraction			
SCREEN SURFACE	15-20 m ²	15-20 m ²	27-33 m ²	27-33 m ²	27-33 m ²	36-43 m ²	36-43 m ²
HOT AGGREGATE SILO 1-ROW	Basic module: 29 t Additional module 24 t (total max. 53 t)		Basic module: 36 t Additional module 25 t + 25 t (total max. 86 t)			Basic module: 40 t Additional module 25 t + 25 t + 25 t (total max. 115 t)	
AGGREGATE SCALE	2500 kg		4155 kg			4650 kg	
FILLER SCALE	300 kg		456 kg			510 kg	
BITUMEN SCALE	200 kg		264 kg			363 kg	
MIXER SIZE / MAX. CONTENT**	1.7 t	2.2 t	3.3 t			4.3 t	
MAX. MIXER CAPACITY	145 t/h	187 t/h	280 t/h			365 t/h	
BINDING AGENT SUPPLY	E-Bit, horizontal or vertical configurations, 60 m ³ , 80 m ³ , 100 m ³ , also divided tanks available. Option: hot oil heated tanks						
FILLER SUPPLY	According to customer's wishes: reclaimed and imported filler silos or filler towers in different desired configurations						
HOT MIX STORAGE SILO / COMPARTMENTS	Standard: 40 or 30 t (2 c.) Option: outlet doors can be either in line or at 90° Option under tower: +70 t (2 c.) with 50 mm isolation up to 3 in line silos with flat skip; or simplified version 45 t or 30 t (1 c.) with 50 mm isolation as optional Option lateral with skip: 62 t (1 c.); or 63 t (2 c.) + extension 49 t (2 c.)						
RECYCLING ADDITION UP TO 30 %	Recommendation: RAC directly into the mixer Alternative: RAC into hot elevator or via ring into the RAH50 drum						
RECYCLING ADDITION UP TO 40 %	Up to 40 % with recycling drum RAH50, up to 55 % with 40 % via ring + 15 % RAC into the mixer, or up to 60 % via parallel drum system						

* Hot mix production capacity based on following conditions: 10% bitumen and filler addition, input moisture of aggregates 3%, aggregate temperature increase 175 K, recipes AC16 (6-fraction) - AC22 (5-fraction) | Mixing batches: 85 per hour.

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

ABA UNIBATCH PERFORMANCE



PLANT TYPE*	100P	140P	180P	210P	240P	260P	300P	320P
CONTINUAL PLANT CAPACITY AT 5% MOISTURE	100 t/h	140 t/h	180 t/h	210 t/h	240 t/h	260 t/h	300 t/h	320 t/h
NUMBER OF COLD FEEDERS	As desired							
CONTENT COLD FEEDERS	7.5 m ³ -15 m ³							
TYPE DRYING DRUM	T 1870	T 2080	T 2390	T 2390	T 25100	T 25100	T 27110	T 27110
BURNER POWER OUTPUT	10 MW	14 MW	16 MW	18 MW	20 MW	24 MW	24 MW	26 MW
FUELS	Natural gas, LPG, light oil, heavy oil, brown-coal dust (BCD), wood dust* (*only with T 27110)							
FILTER CAPACITY AFA-G5	28 000 Nm ³ /h	37 000 Nm ³ /h	50 000 Nm ³ /h	57 000 Nm ³ /h	63 000 Nm ³ /h	70 000 Nm ³ /h	83 000 Nm ³ /h	90 000 Nm ³ /h
TYPE SCREEN	VA 1230	VA 1536	VA 1536 S	VA 1840	VA 1840 S	VA 1840 S	VA 2050	VA 2050 S
SCREENING	4-fraction	4- or 5-fraction		5- or 6-fraction				
SCREEN SURFACE	13 m ²	15-20 m ²	15-20 m ²	27-33 m ²	27-33 m ²	27-33 m ²	36-43 m ²	36-43 m ²
HOT AGGREGATE SILO 1-ROW	Basic module: 29 t Additional module 24 t (total max. 53 t)			Basic module: 36 t Additional module 25 t + 25 t (total max. 86 t)			Basic module: 40 t Additional module 25 t + 25 t + 25 t (total max. 115 t)	
AGGREGATE SCALE	2500 kg			4155 kg			4650 kg	
FILLER SCALE	300 kg			456 kg			510 kg	
BITUMEN SCALE	200 kg			264 kg			363 kg	
MIXER SIZE / MAX. CONTENT**	1.2 t	1.7 t	2.2 t	3.3 t			4.3 t	
MAX. MIXER CAPACITY	102 t/h	145 t/h	187 t/h	280 t/h			365 t/h	
BINDING AGENT SUPPLY	E-Bit, horizontal or vertical configurations, 60 m ³ , 80 m ³ , 100 m ³ , also divided tanks available. Option: hot oil heated tanks							
FILLER SUPPLY	According to customer's wishes: reclaimed and imported filler silos or filler towers in different desired configurations							
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RECYCLING ADDITION UP TO 30 %	Recommendation: RAC directly into the mixer Alternative: RAC into hot elevator or via ring into the RAH50 drum							
RECYCLING ADDITION UP TO 40 %	Up to 40 % with recycling drum RAH50, up to 55 % with 40 % via ring + 15 % RAC into the mixer, or up to 60 % via parallel drum system							

* Hot mix production capacity based on following conditions: 10% bitumen and filler addition, input moisture of aggregates 5%, aggregate temperature increase 175 K, recipes AC16 (6-fraction) - AC22 (5-fraction) | Mixing batches: 85 per hour.

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

AMMANN CORE COMPONENTS

EVERYTHING FROM ONE SOURCE

Ammann premium asphalt-mixing plants utilize complex process engineering that requires perfect interaction between all individual components. So essential is this integration that Ammann engineers all core components, including drums, burners, filters, screens, controls and mixers in house.

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.



BURNERS AND DRYERS

Ammann burners and dryers are highly reliable, productive and feature cutting-edge technology. Robust, compact and energy-efficient designs minimize maintenance requirements and reduce fuel consumption. The burners and dryers are adaptable to multiple Ammann plant types and built for easy operation. A wide range of options is available.



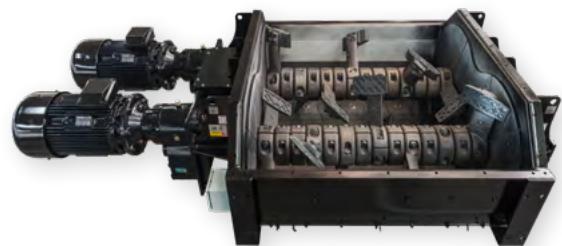
SCREENS

Ammann screens are highly reliable and properly sort materials. Optimal material load maximizes available screen area usage. A dust-free screen house is among the expertly engineered features. The screens are easy to operate and require minimal maintenance. A wide range of options is available.



FILTERS

Flow is optimized through a highly technical analysis. The filters perform well from top to bottom and minimize service time. Ammatex filter bags offer high temperature resistance and eliminate the need for a fresh air damper. PTFE coating and seams create exceptional resistance and longer life. Improved thermal insulation contributes to the plant's efficiency.



MIXERS

Mixers are highly reliable with short mixing times. Maintenance is minimal and all components work seamlessly and efficiently because of Ammann's quality engineering. The operator-friendly mixers are an integral part of Ammann plants.

AS1 CONTROL SYSTEM

POWERFUL, RELIABLE AND PROVEN WORLDWIDE

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 GUARANTEED FOR RELIABLE SIGNAL TRANSFER

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.

HIGHLIGHTS

- Comprehensive system functionality
- Quick and easy to learn
- Safe to operate
- Proven, reliable field bus and load-sharing
- Professional hotline and support organisations ready for service worldwide

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.



AFTER SALES



COVERING ALL NEEDS

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.

PUT AMMANN EXPERTISE TO WORK

Ammann offers service packages that ensure all maintenance is current, making your plant efficient and also protecting it from premature wear that can result from poor service practices. A variety of technical service packages are available. Or, if you prefer, an Ammann representative can visit your plant and together you can develop a plan that perfectly fits your needs.

VALUE AND AVAILABILITY

Ammann parts provide the best value over the life of your plant. The parts are built to last and have a longer life than low-cost products on the market. Ammann parts also are a perfect fit for your plant, enabling other components to run more efficiently and last longer. Availability is another key Ammann focus. The Ammann logistics team recently overhauled stocking centres and processes to ensure the most essential parts are always nearby.

READY WHEN YOU ARE

Ammann experts are ready to assist you in emergency situations 24 hours a day, seven days a week. The help line team is highly trained and experienced. Representatives can talk you through the challenges – in many different languages – with a remote connection to your system that will minimise the troubleshooting time.

TRAINING



FULFILL YOUR PLANT'S POTENTIAL WITH TRAINING

Your plant features components engineered for productivity and technology that can deliver benefits unheard of just a few years ago. Yet those components and that technology are only as good as the operator using them. How can you help operators make the most of the tools at their disposal? The answer is training.

WORLDWIDE TRAINING CENTRES

Ammann has more than 10 regional training centre locations around the world. Key teaching themes connect them all.

- A good balance. The centres combine a traditional classroom setting with hands-on experience, including the availability of plant components for maintenance lessons.
- Experiment without consequences. The as1 control system simulator provides operators with realistic scenarios without running the risk of wasting material or causing plant downtime. Operators can experiment and learn from their mistakes – without costly consequences to your operations.
- Learn from peers. Operators from other facilities attend the training. Participants say the conversations with their peers – and learning how they overcome challenges – is another key benefit.
- Learn in your language. Lessons are taught in many languages, ensuring your team understands key terms and lessons and makes the most of your investment.

In addition, Ammann experts can customise a curriculum for your needs and work with operators and managers at your facility. The advantages include hands-on experience with your equipment and the ability to involve more of your staff than would likely be sent to a regional training centre. Choose from the Ammann training modules.

For additional product information
and services please visit:
www.ammann.com

