

BATCH PROCESS

# ABC SOLIDBATCH

ASPHALT-MIXING PLANTS  
CLASSIC



**AMMANN**

# A WINNING RATIO

THE ABC SOLIDBATCH ASPHALT-MIXING PLANT IS THE COST / PERFORMANCE-OPTIMISED SOLUTION WITHIN THE AMMANN PORTFOLIO

The purchase price is extremely competitive because the plant is highly standardised and the base model features only a few "extras." Instead, customers select the standard ABC SolidBatch model and then choose from a variety of options. Those options ultimately lead to a customised plant – yet the customer only pays for the features they really want.

The possibility to exclude non-critical parts (e.g. pressurized air supply) from the purchase and acquire them from local suppliers enables customers to save even more.

ABC SolidBatch is easy to transport but also retains the benefits of a standard stationary plant, including high hourly outputs.

## ABC SOLIDBATCH



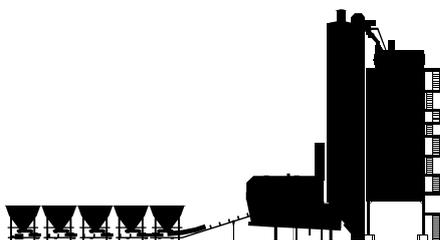
### ABC 140 SOLIDBATCH

MIXER SIZE: 1.7 t  
CAPACITY: 140 t/h



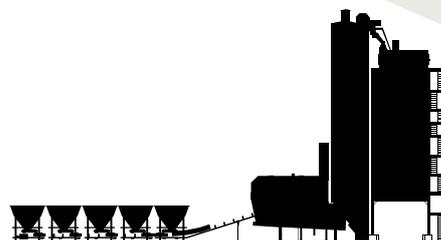
### ABC 180 SOLIDBATCH

MIXER SIZE: 2.2 t  
CAPACITY: 180 t/h



### ABC 210 SOLIDBATCH

MIXER SIZE: 3.3 t  
CAPACITY: 210 t/h



### ABC 240 SOLIDBATCH

MIXER SIZE: 3.3 t  
CAPACITY: 240 t/h



# HIGHLIGHTS

## EASY TRANSPORT

- Efficient packaging and loading
- Quick assembly

## AS1 CONTROL SYSTEM

- Operator-friendly
- A proven production tool
- Reliable quality control

## CONSISTENT QUALITY

- All core components are Swiss designed
- Significant error reduction because of the as1 Control System

## COST-EFFECTIVE

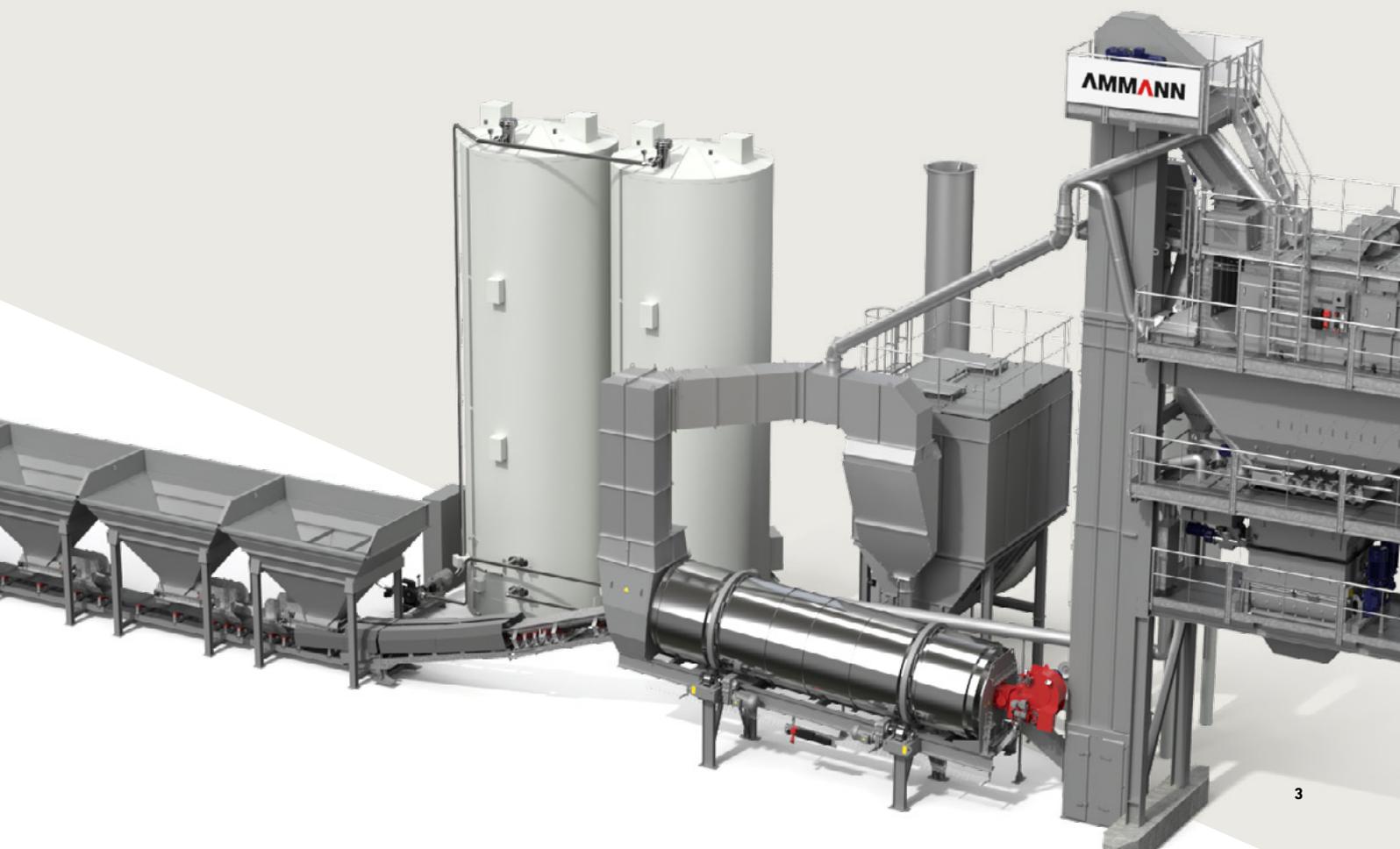
- Unbeatable price-performance ratio
- Extremely fuel efficient
- As productive as standard plant
- 24/7 remote support

## RECYCLING AND OPTIONS

- Utilises Ammann's industry-leading recycling capabilities
- Engineered for easy integration of optional technologies (recycling, Ammann foam, fibres)

## PARTS

- Reliable and proven wear parts with longest lifetime
- Expedited delivery available

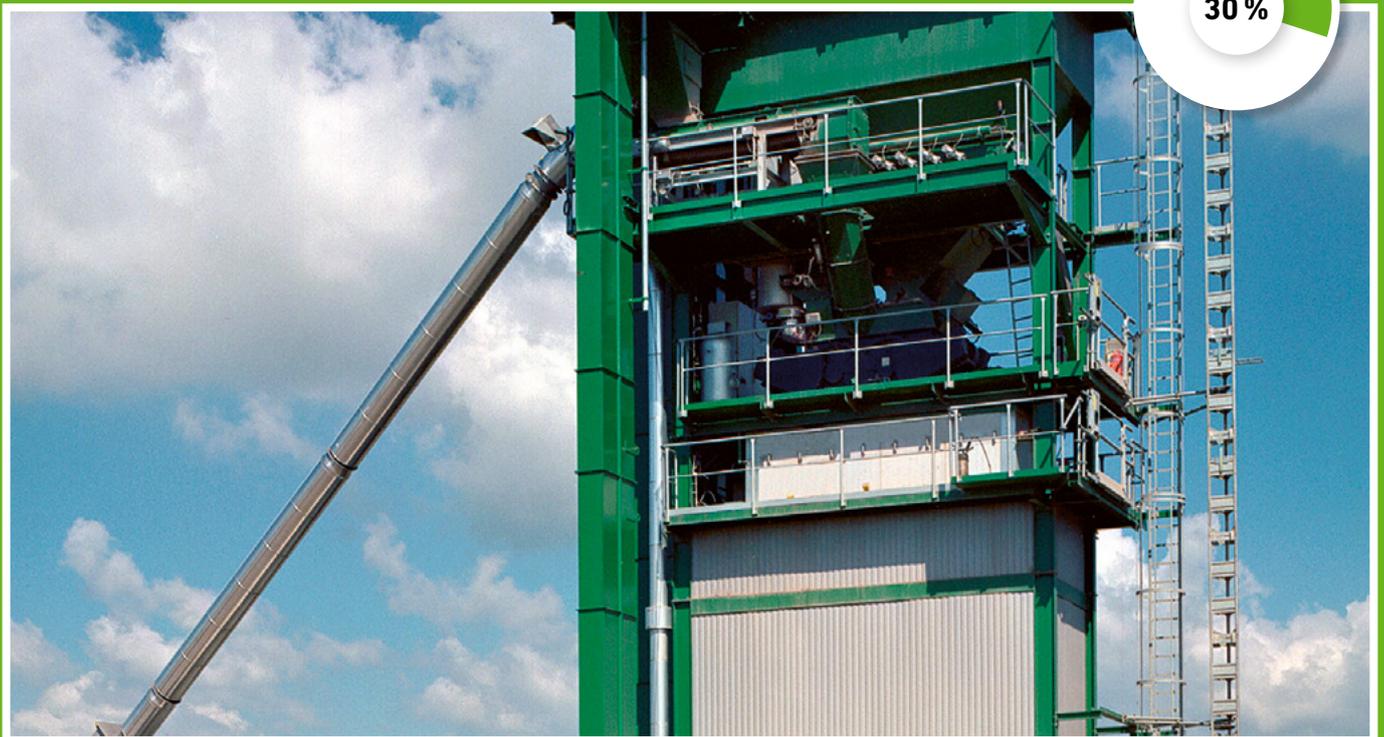


# CUSTOM-MADE RECYCLING SOLUTIONS

The use of reclaimed asphalt, or recycling, is an absolute necessity of today. We are able to offer you custom-made solutions relating to recycling. Our modern plant technology guarantees you extremely high quality asphalt using recycling asphalt (RAP).

## COLD RECYCLING

30 % COLD FEED INTO THE MIXER



### BENEFITS

- New minerals can be screened off
- Batch quantity variable with each load
- Max. flexibility (recipes)
- Independent from rest of process

COMBINATIONS RAP SOLUTION

40

# “Ammann RAP feeds individually adapted to customer requirements.”

## HIGHLIGHTS

- Significant reduction of production costs due to lower costs of bitumen, minerals and transport costs
- Supported or promoted by statutory legislation (country specific)
- Less effect on natural resources (fewer oil, mineral and bitumen requirements)
- Reduction of expensive storage facilities
- CO<sub>2</sub> reductions

## 40 % COLD FEED IN DRYER DRUM RAH50



## BENEFITS

- Processes RA proportions of up to 40%
- Energy savings of up to 15%
- Efficient processing of new material
- Protected by international patents

COMBINATIONS RAP SOLUTION

30

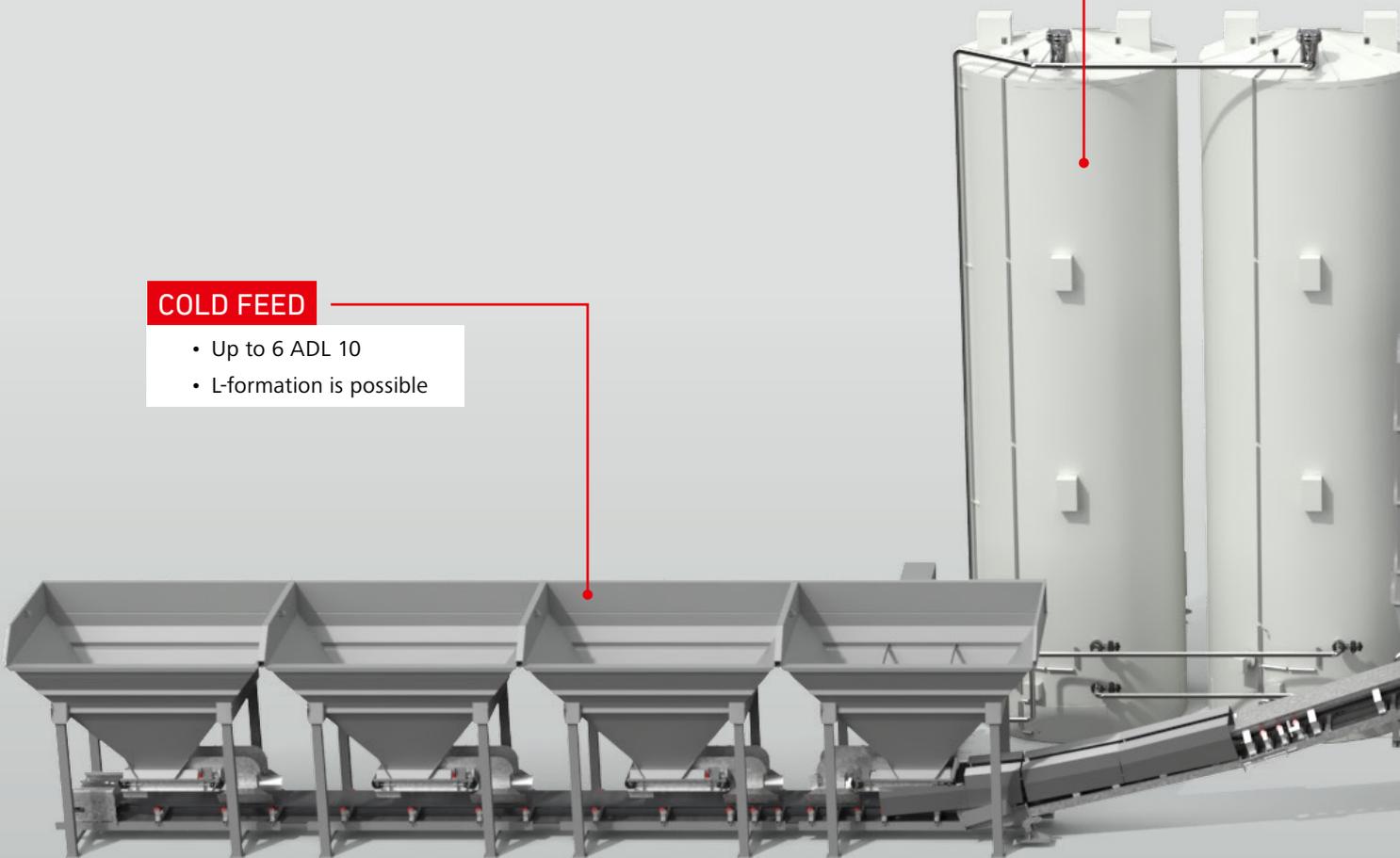
# CONFIGURATION

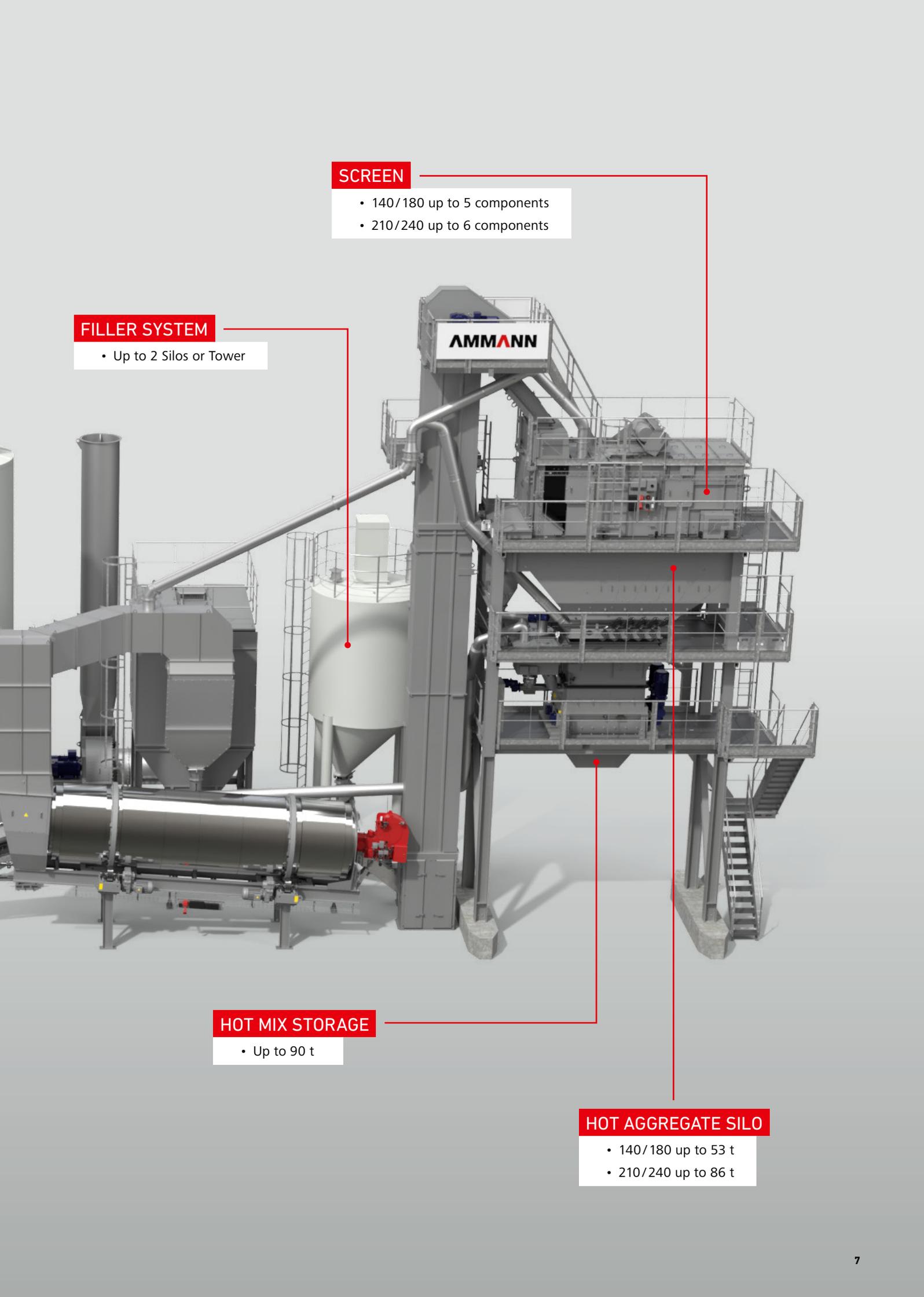
## BITUMEN TANKS

- Up to 3 bitumen tanks
- Box: 55 m<sup>3</sup>
- Vertical: 60 m<sup>3</sup>

## COLD FEED

- Up to 6 ADL 10
- L-formation is possible





### SCREEN

- 140/180 up to 5 components
- 210/240 up to 6 components

### FILLER SYSTEM

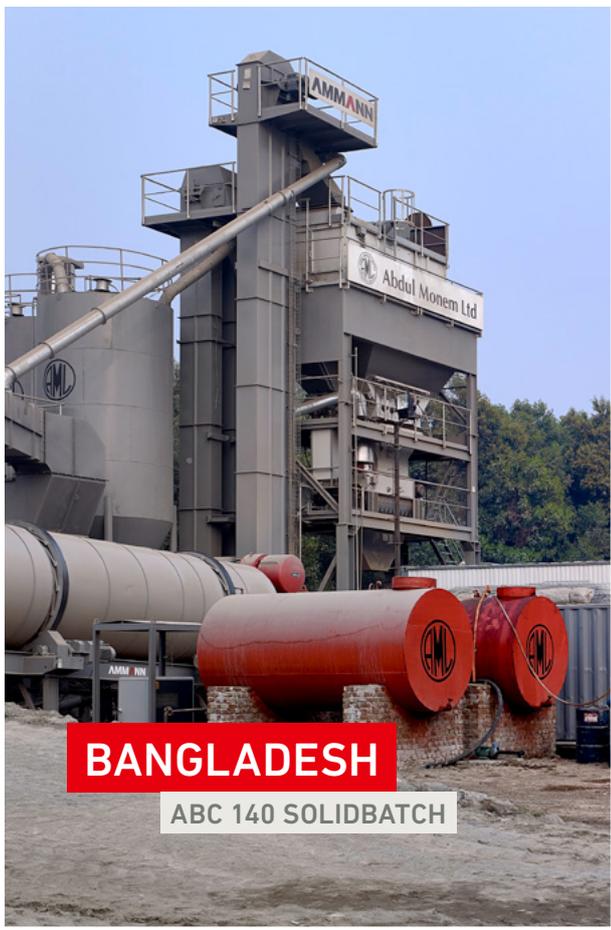
- Up to 2 Silos or Tower

### HOT MIX STORAGE

- Up to 90 t

### HOT AGGREGATE SILO

- 140/180 up to 53 t
- 210/240 up to 86 t



**ABU DHABI**

ABC 210 SOLIDBATCH



# AMMANN CORE ELEMENTS

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 develops and manufactures 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.



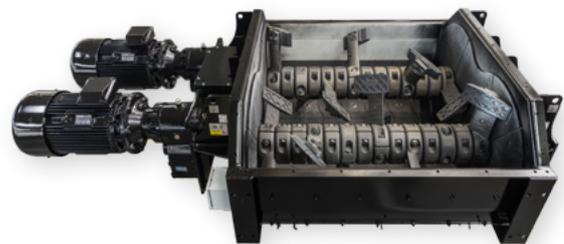
## SCREENS

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.

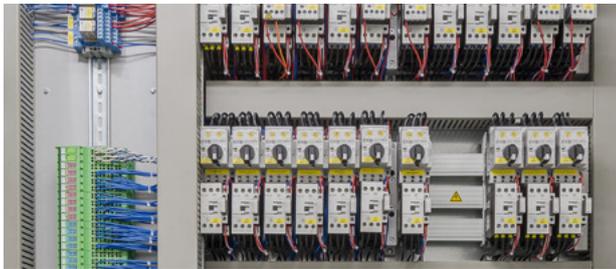
# AS1 CONTROL SYSTEM

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

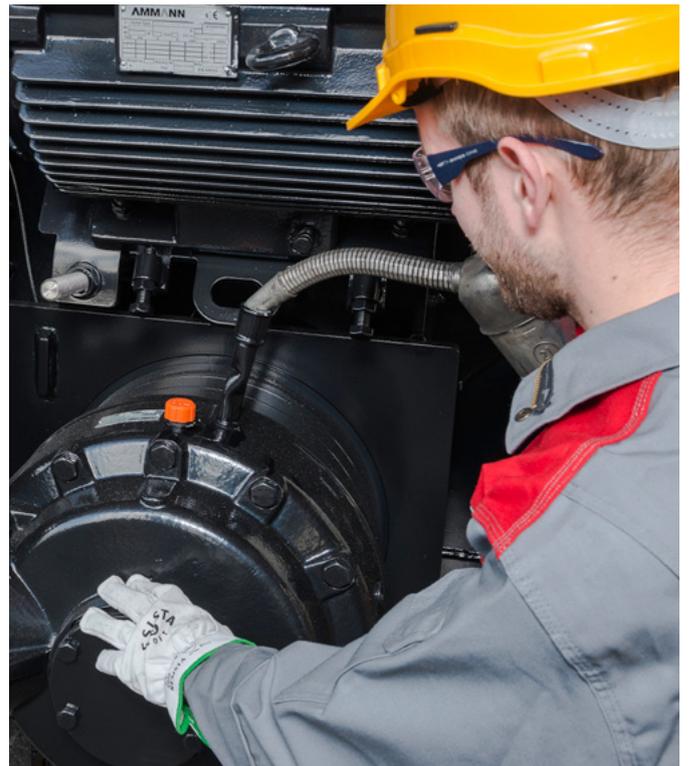
Ammann offers service packages that ensure all maintenance is current, making your plant efficient and also protecting it from premature wear that can result from poor service practices. A variety of technical service packages are available. Or, if you prefer, an Ammann representative can visit your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

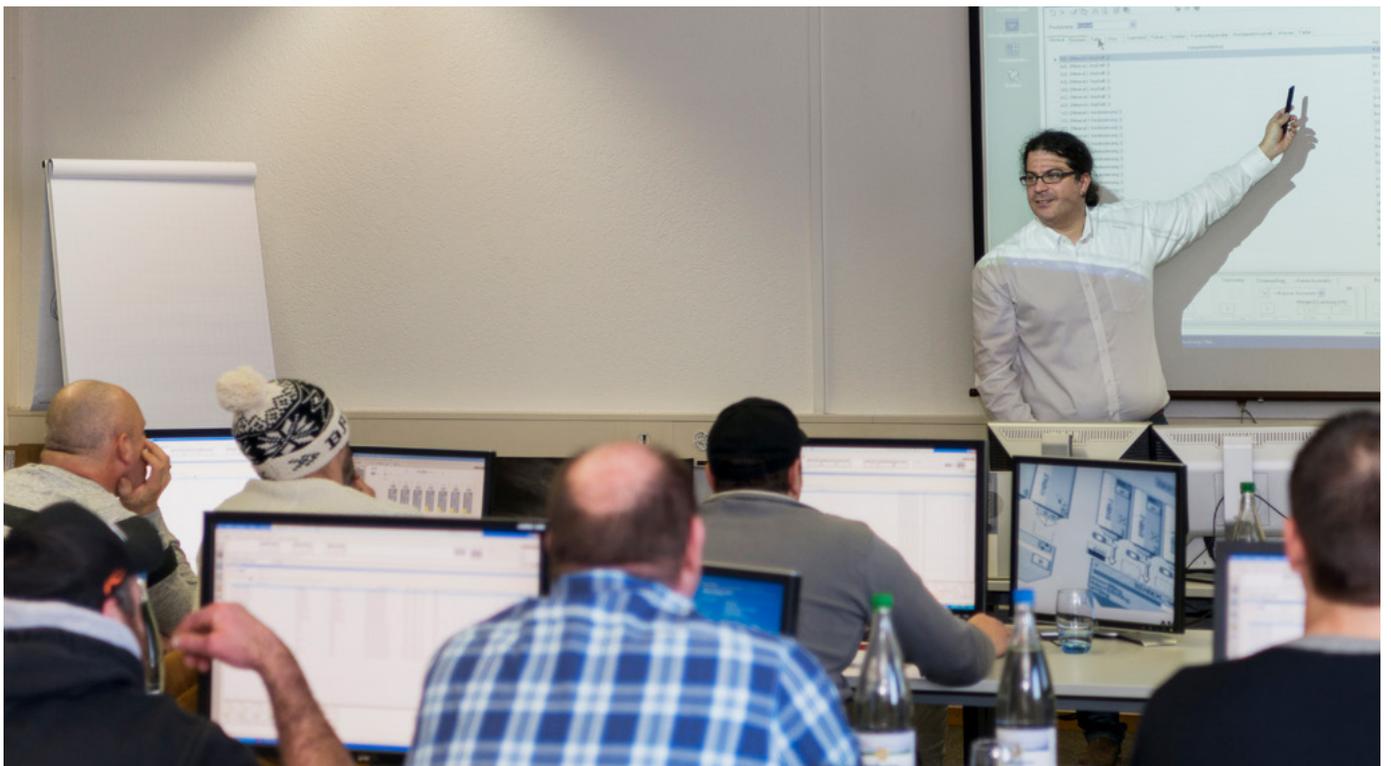
Your plant features components engineered for productivity and technology that can deliver benefits unheard of just a few years ago. Yet those components and that technology are only as good as the operator using them. How can you help operators make the most of the tools at their disposal? The answer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



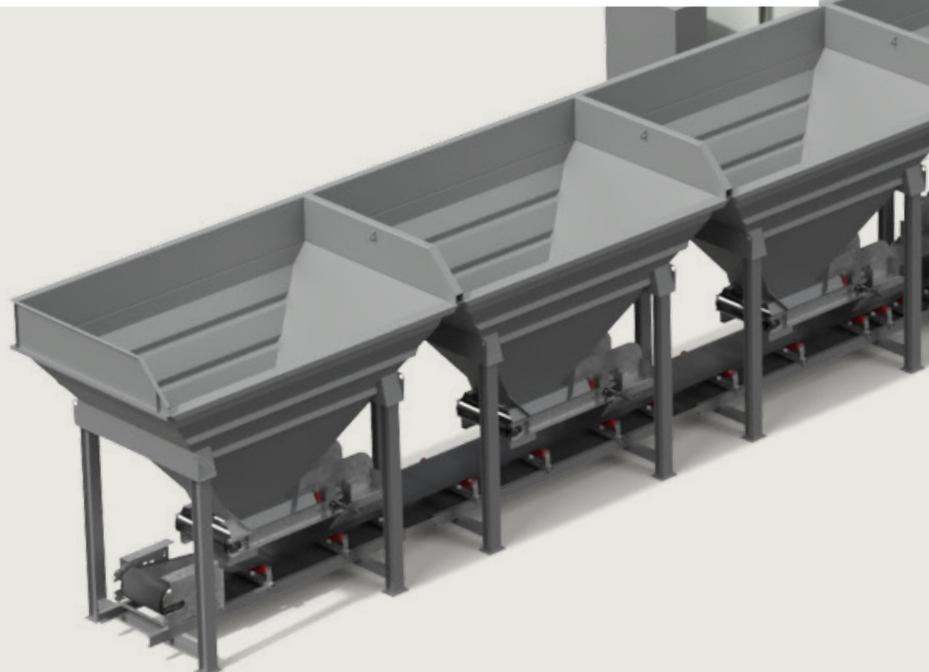
# SPECIFICATIONS

## ABC SOLIDBATCH



PLANT TYPE*	140	180	210	240
CONTINUAL PLANT CAPACITY AT 3% MOISTURE	140 t/h	180 t/h	210 t/h	240 t/h
NUMBER OF COLD FEEDERS	4, 5 or 6			
COLD FEEDERS CAPACITY	10 m <sup>3</sup>			
TYPE DRYING DRUM	T 1870	T 2080	T 2080	T 2390
BURNER POWER OUTPUT	10 MW	14 MW	14 MW	16 MW
FUELS	Natural gas, LPG, light oil, heavy oil			
FILTER CAPACITY AFA	28 000 Nm <sup>3</sup> /h	37 000 Nm <sup>3</sup> /h	44 000 Nm <sup>3</sup> /h	50 000 Nm <sup>3</sup> /h
SCREEN TYPE	VA 1536	VA 1536 S	VA 1840	VA 1840 S
SCREENING	4- or 5-fraction		5- or 6-fraction	
SCREEN SURFACE	15 m <sup>2</sup> or 20 m <sup>2</sup>		27 m <sup>2</sup> or 33 m <sup>2</sup>	
HOT AGGREGATE SILO 1-ROW	29 t or 53 t		36 t or 86 t	
AGGREGATE SCALE	2500 kg		4155 kg	
FILLER SCALE	300 kg		456 kg	
BITUMEN SCALE	200 kg		264 kg	
MIXER SIZE / CONTENT	1.7 t	2.2 t	3.3 t	
BINDING AGENT SUPPLY	E-Bit, 60 m <sup>3</sup> (max. 3) or horizontal Boxtanks (max. 3) 55 m <sup>3</sup> Lines electric heating			
FILLER SUPPLY	Reclaimed and imported filler silos or filler towers			
HOT MIX STORAGE SILO / COMPARTMENTS	Direct loading, 23 t in 1 compartment, 50 t or 90 t in 2 compartments with direct load		50 t or 90 t in 2 compartments with direct load	
RECYCLING ADDITION UP TO 30 %	Recommendation: RAC directly into the mixer			
RECYCLING ADDITION UP TO 40 %	RAC via ring into the RAH50 drum			

\* Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of aggregates 3 %, aggregate temperature increase 170 K and 0/2 fraction share max. 40 % | Mixing cycles 85 per hour.





For additional product information  
and services please visit:  
**[www.ammann-group.com](http://www.ammann-group.com)**

