

ASPHALT-MIXING PLANTS

AMMANN HAS THRIVED IN THE ASPHALT BUSINESS THROUGH A CONTINUED COMMITMENT TO INNOVATION, INDUSTRY LEADERSHIP AND PROVIDING BEST-IN-CLASS PRODUCTS AND SERVICES.

Ammann has had a presence in the asphalt plant industry for more than 100 years – before the advent of recycled asphalt, low-temperature mixes or automatic control systems.

What hasn't changed is how Ammann does business. To this day all plants and their core components are engineered 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 our customers' needs and the development

of plants that provide real-world solutions. That includes reducing material waste and energy consumption, tasks handled by the Ammann as1 Control System – the brains of the plant.

Producing asphalt requires more than plants. There are a host of other pieces to the puzzle, and Ammann offers complementary products that fit together perfectly to deliver exceptional results.

BATCH PLANTS

Ammann batch plants develop the consistency that is crucial to mix quality whilst providing maximum flexibility in the mixing process. All plant processes and components are carefully developed to ensure that feeding, heating, drying, screening and mixing seamlessly blend together.

The proven as1 control system, which provides leading technology with a user-friendly interface, makes it easy to handle the complex interaction of each piece of equipment.

CONTINUOUS PLANTS

Ammann continuous plants offer maximum performance and consistency, often when high volumes of mix are needed. The continuous plants also incorporate Ammann advantages including mixing technology, recycling, the as1 Control System – and more.

AS1 – THE LEADING PLANT CONTROL SYSTEM FROM AMMANN

Modern asphalt-mixing plants give the plant operator plenty of opportunity on the fine-tuning of the asphalt. Juggling various mixes and recipes while handling multiple projects can be challenging. With the as1 Control System from Ammann, the plant operator has all processes always in a clear overview and can manage difficult operations easily.

AMMANN EXPERTS RELY ON THEIR INDUSTRY KNOWLEDGE AND LISTEN TO CUSTOMERS. THAT APPROACH HAS HELPED THE AMMANN RESEARCH AND DEVELOPMENT TEAM TO INTRODUCE NEW PRODUCTS WITH REAL-WORLD VALUE.

THAT INCLUDES THE PATENTED “ZERO WASTE” SYSTEM, AS WELL AS DEVELOPING SEPARATE HEATING AND MIXING SO THAT RECIPES CAN BE ADJUSTED ON THE FLY AND COSTLY STOPS AND STARTS AVOIDED. THOSE ARE ONLY A FEW EXAMPLES, AND OF COURSE THERE ARE MORE TO COME.



ASPHALT-MIXING PLANTS

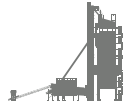
BATCH PROCESS

STATIONARY



ABP HRT

Capacity: 240–400 t/h
Recycling rate up to 100%



ABP UNIVERSAL

Capacity: 240–400 t/h
Recycling rate up to 100%



ABA UNIBATCH

Capacity: 140–400 t/h
Recycling rate up to 100%



ABA UNIHRT

Capacity: 320–440 t/h
Recycling rate up to 100%



ABC SOLIDBATCH

Capacity: 100–340 t/h
Recycling rate up to 50%



ABC VALUETEC

Capacity: 80–260 t/h
Recycling rate up to 45%



ABC ECOTEC

Capacity: 80–120 t/h
Recycling rate up to 25%



ABC ECOBATCH

Capacity: 140–320 t/h
Recycling rate up to 50%



ABC ECOHRT

Capacity: 180–240 t/h
Recycling rate up to 100%



ABT SPEEDYBATCH 2.0

Capacity: 180–340 t/h
Recycling rate up to 50%

MOBILE



ABM EASYBATCH

Capacity: 90–140 t/h
Recycling rate up to 25%



PLEASE CONTACT YOUR LOCAL SALES REPRESENTATIVE
FOR PRODUCT AVAILABILITY IN YOUR MARKET.

CONTINUOUS PROCESS

STATIONARY



ACP CONTIMIX 2.0
Capacity: 140–300 t/h
Recycling rate up to 100%



ACP CONTIHRT
Capacity: 300–400 t/h
Recycling rate up to 60%



ACC ALPINE
Capacity: 300–600 t/h
Recycling rate up to 60%



ACT CONTIQUICK
Capacity: 140 t/h
Recycling rate up to 20%



ACC COUNTERMIX
Capacity: 90–120 t/h
Recycling rate up to 30%



SCC COLDMIX
Capacity: 400 t/h
Recycling rate up to 100%



MECHTEK
Capacity: 200–600 t/h
Recycling rate up to 100%



MOBILE



ACM PRIME 2.0
Capacity: 100–210 t/h
Recycling rate up to 40%

COMPLEMENTARY PRODUCTS



**MODITEK
(BITUMEN SYSTEM)**
Capacity: up to 20 t/h



**EMULTEK 4/15
(BITUMEN SYSTEM)**
Capacity: up to 15 t/h



**HEATTEK
(BITUMEN SYSTEM)**
Capacity: up to
2 000 000 kcal/h



**DRUMTEK
(BITUMEN SYSTEM)**
Capacity: up to 10 t/h



BITUMEN TANKS
Mobile, containerized,
stationary



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CONCRETE-MIXING PLANTS

AMMANN HAS PROVIDED RELIABLE AND ECONOMICAL SOLUTIONS FOR THE PRODUCTION OF HIGH-QUALITY CONCRETE FOR MORE THAN 70 YEARS. AT THE CORE ARE COMPULSORY MIXERS AND COMPLETE MIXING PLANTS, BOTH MOBILE AND STATIONARY. COMPLEMENTING THE PRODUCT LINE ARE PLANETARY COUNTER-CURRENT MIXERS, MODULES FOR THE PRECAST PARTS INDUSTRY AND LINEAR STORAGE BINS.

The design and quality of components and materials separate Ammann. From the plants to the storage bins and everything in between, all materials feature excellent quality to ensure long life and durability.

CONCRETE PLANTS

Every plant is designed for high productivity and each is available in stationary and semi-mobile versions.

- Other options include precast component and high-performance plants.
- All plant types also integrate modular designs that provide flexibility so they can be customised to fit each customer's needs – now or in the future.

AMMANN CBS PLANTS ARE STATIONARY AND PROVIDE ACCESS TO THE MANY OPTIONS MADE POSSIBLE BY THE WELL-CONCEIVED MODULAR DESIGN.

AMMANN CBT PLANTS ARE TRANSPORT-OPTIMISED, FEATURING FAST INSTALLATION TIMES AND HASSLE-FREE RELOCATION AS WELL AS FAVOURABLE TRANSPORT DIMENSIONS.

CONCRETE MIXERS

Ammann has been an industry leader for decades.

- All mixing systems are continually tested and improved.
- Ammann offers efficient mixing technology, productivity and long product life.

PRECAST CONCRETE-MIXING PLANTS

Ammann precast plants meet varied customer needs, including hollow core slabs, carousel plants, pre-stressed products, paving stones and stairs.

- All precast plants utilise Ammann premium mixing systems.

LINEAR STORAGE BINS

Ammann linear batchers are ideal for storing, discharging and weighing aggregate materials.

- Various model ranges are available with volumes of 9 m³ to 450 m³ per chamber.
- Linear chamber separation allows up to 12 different aggregate types to be stored and discharged.

RADIAL SCRAPER

The automatic scrapers of the Ammann Elba CES series bring the ultimate efficiency to your operation through automation.

- An operating module allows easy programming and controlling of the scraping process. Semi-automatic manual operation of the scraping, retracting and slewing motions is also possible. Ammann Elba offers three output variants with different boom lengths

CBT 60 ELBA



CBS 120 ELBA



STATIONARY



CBS ELBA

Max. concrete output: 107–190 m³/h
Mixer volume: 2000–4500 l



CBP POWERMIX

Max. concrete output: 105–220 m³/h
Mixer volume: 2500–4000 l



CBT ELBA

Max. concrete output: 60–128 m³/h
Mixer volume: 1000–3500 l



CC ELBA

Max. concrete output: 30–128 m³/h
Mixer volume: 500–3500 l

CONCRETE FILLING STATION



CFS ELBA

Max. concrete output: 30–60 m³/h
Mixer volume: 500–1000 l

MODULES



CMP ELBA

Max. concrete output: 250–4000 l
Dry volume: 375–6000 l

STORAGE BINS



CEL ELBA

Chamber size: 9–52 m³

CEL ELBA HIGH BUNKER

Chamber size: 180–450 m³

RADIAL SCRAPER



CES ELBA

Max. theoretical output: 57–125 m³/h
Boom length: 12–22.5 m

MIXERS



CEM ELBA LABORATORY COMPULSORY MIXER

Compacted fresh concrete: 60 l
Dry volume: 90 l



CEM ELBA SINGLE-SHAFT COMPULSORY MIXER

Compacted fresh concrete: 500–2500 l
Dry volume: 750–3750 l



CEM ELBA TWIN-SHAFT COMPULSORY MIXER

Compacted fresh concrete: 2000–4500 l
Dry volume: 3000–6750 l



CEM ELBA PLANETARY COUNTER-CURRENT MIXER

Compacted fresh concrete: 250–4000 l
Dry volume: 375–6000 l

CEM ELBA TWIN-SHAFT PADDLE MIXER

Compacted fresh concrete: 1500–4000 l
Dry volume: 2600–7450 l

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PLANT TECHNOLOGY

AMMANN CORE ELEMENTS

Asphalt-mixing plant technology is built around core parts such as dryers, burners, screens, control systems and more. When those parts come together properly, they deliver the ultimate productivity gains. Yet they can only work seamlessly and provide the ultimate gains when each piece fits perfectly with the next.



AS1 CONTROL SYSTEM

The system coordinates many key plant processes, including cold feeding, drying, weighing-mixing, bitumen supply, batch loading and service and support. Its intuitive technology provides the ultimate management and operation tool – for all plant types and for operators of all experience levels. Optional as1 modules help your plant deliver even more value. Concrete plants also utilise the as1 Control System and benefit from the value it brings.



WARM-MIX ASPHALT WITH AMMANN FOAM® TECHNOLOGY

Warm-mix asphalt is about much more than a foam injection device. It is a process that starts with drying at a reduced temperature, then moves to specific mixing sequences and the introduction of recycling. Ammann technology can help throughout the process cuts lower emissions and energy costs by up to 25 %.



CUSTOM-MADE RECYCLING SOLUTIONS



The use of reclaimed asphalt, or RAP, has become a necessity. Governments increasingly want the reclaimed asphalt from old roads re-used. Ammann provides several options to help your recycling and cost-saving efforts.

- Counterflow dryers that enable use of 100 per cent hot recycled material
- Parallel flow dryers that can use up to 60 per cent hot recycled material
- Middle-ring dryers for the use of up to 50 per cent recycled material
- Various cold addition systems for the use of 25 per cent to 40 per cent recycled material

AMDURIT

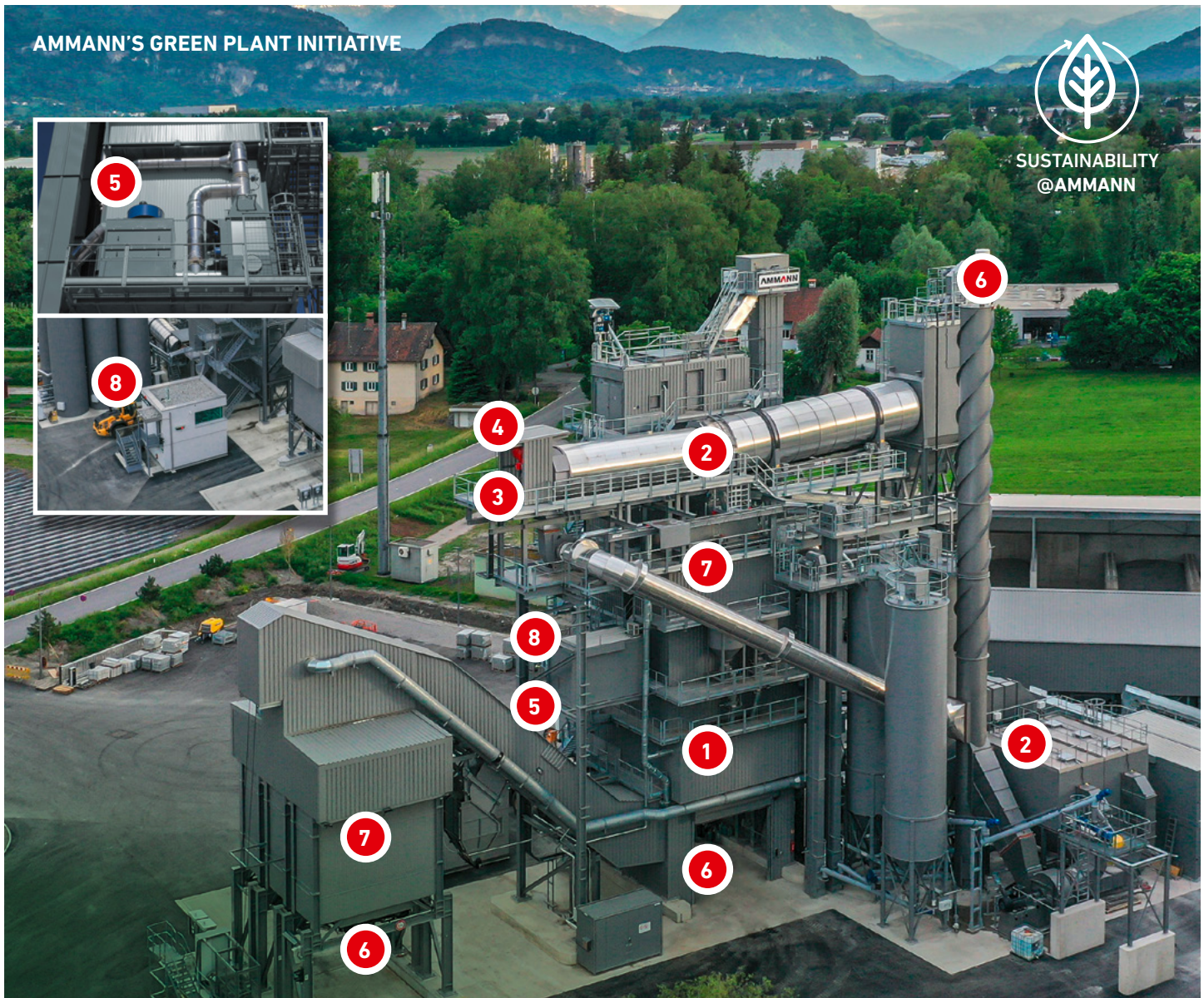
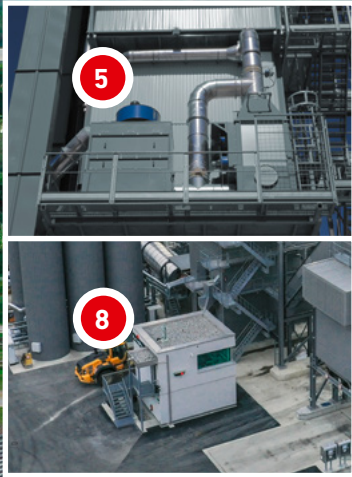
Amdurit provides three times the service life of wear-resistant steel and protects valuable parts and components. Instead of replacing the component, simply swap out the Amdurit covering. The wear-protection system results in savings on multiple fronts including extended component life, reduced labor on replacement efforts and improved plant uptime.



EWP ELBA WEAR PROTECTION

EWP protects and significantly extends the service life of components most exposed to wear and tear. The intelligent system is economically priced and consists of hard-wearing polyurethane. EWP precisely fits the plant's mixing shaft and arms, discharge hopper and feeder skips.





AMMANN'S GREEN PLANT INITIATIVE

1 WARM-MIX ASPHALT WITH AMMANN FOAM TECHNOLOGY

2 HEATING PROCESS

- Highly efficient heat transfer
- No parasite air
- Optimised regulation burner / drum

3 BURNER

- New H2 Burner
- Various fuels available
- Ideal combustion process
- Optimised energy consumption

4 USE OF RAP MATERIAL

- Full range of technical solutions
- Additions of RAP up to 100%
- Industry-leading partner in the use of RAP

5 BST – BLUE SMOKE TREATMENT

- Captures vapours during loading
- Filters trapped fumes
- Removes oil particles

6 EMISSIONS

- Lowest VOC (TA-Luft)
- Complete dust suppression
- Odour management solutions
- Noise reduction kits

7 AVOIDING HEAT LOSS

- High insulation up to 200 mm
- No thermal bridges
- Flaps to close the storage silos
- Reduction of wasted material

8 AS1 CONTROL SYSTEM

- Wide range of modules for software upgrading
- Expert use of inverter
- New professional and ergonomic user interface: ARGON VIEW
- Energy management of photovoltaic systems
- Automatic burner control ADX

AFTER SALES PLANT



TECHNICAL SERVICES FOR YOUR ASPHALT-MIXING PLANT

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.



BURNER
MAINTENANCE



PERIODIC
MAINTENANCE



CALIBRATION
SERVICE



ELECTRICAL
CHECK



FILTER
CHECK

THE ADVANTAGES OF A RETROFIT

There is a way to have the benefits of a new plant – without the acquisition cost. A retrofit from Ammann is a proven process that modernises existing plants so they can access the latest technological and environmental improvements.

Ammann has a tested retrofit process. It costs a small fraction of the price of a new plant and is available for asphalt-mixing products made by Ammann and other manufacturers.

What key benefits do you get with a retrofit?

Environmental Upgrades

Among the potential enhancements are a revamped bitumen tank system and baghouse, noise reduction and an ability to develop low-temperature mixes.

Technological Improvements

The burners, the mixer, the control system and the recycling system are updated to utilise the latest technology.

A Rejuvenated Plant

Retrofit options include replacement of the dryer and mixer and the addition of Amdurit®, Ammann's proprietary wear-protection system.

TRAINING FOR PLANTS

Ammann has more than 10 regional training centre locations around the world. The centres combine a traditional classroom setting with hands-on experience, including the availability of plant components for maintenance lessons.

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.

Operators from other facilities attend the training. Participants say the conversations with their peers – and learning how they overcome challenges – are additional key benefits.

Sessions are taught in many languages, ensuring the team understands key terms and lessons and makes the most of its investment.

In addition, Ammann experts can customise a curriculum and work with operators and managers at a customer's facility. The advantages include hands-on experience with the customer's equipment and the ability to involve more staff.