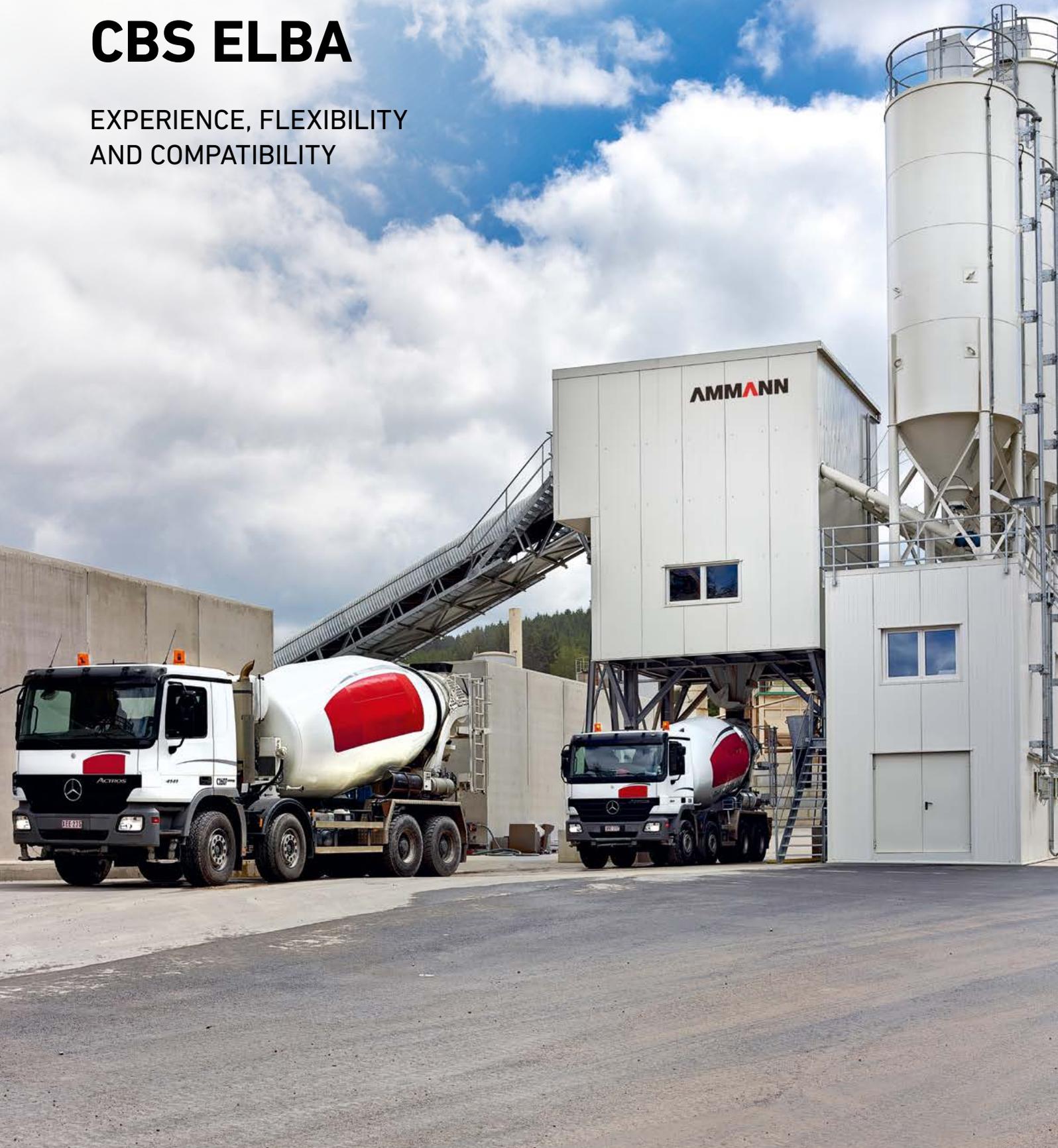


STATIONARY CONCRETE PLANT

CBS ELBA

EXPERIENCE, FLEXIBILITY
AND COMPATIBILITY



READY FOR TODAY AND TOMORROW
EASY UPDATES THROUGH SMART DESIGN

AMMANN
ELBA

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

THE CBS PLANT SERIES REPRESENTS THE MEDIUM- TO HIGH-PERFORMANCE RANGE, WITH OUTPUTS AS HIGH AS 200 M³/H. THE PLANTS CAN PROVIDE DIVERSE MIXES WHILE MAINTAINING PEAK PRODUCTION TO SATISFY THE NEEDS OF BUSINESSES LARGE OR SMALL.

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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 components 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.

STATIONARY



CBS ELBA

Max. concrete output:

107-190 m³/h

Mixer volume:

2000-4500 l



CBS POWERMIX

Max. concrete output:

105-220 m³/h

Mixer volume:

2500-4000 l

TRANSPORT-OPTIMISED



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

CBS 105–140 S/T L ELBA LINEAR BINS WITH SKIP HOIST



PLANT TYPE	105	110	120	130	140
MIXER TYPE ³	CEM 2000 S CEM 2000 T	CEM 2250 S CEM 2250 T	CEM 2500 S CEM 2500 T	CEM 3000 T	CEM 3333 T
MAX. CONCRETE OUTPUT OF THE PLANT, COMPACTED FRESH CONCRETE ¹	107 M ³ /H	114 M ³ /H	121 M ³ /H	130 M ³ /H	138 M ³ /H
MIXER VOLUME	2000 L	2250 L	2500 L	3000 L	3333 L
ACTIVE AGGREGATE STOCK	105–312 M ³	105–312 M ³	105–312 M ³	105–312 M ³	140–312 M ³
MAX. COMPONENTS	3–12	3–12	3–12	3–12	4–12
MAX. CEMENT TYPES	6	6	6	6	6
CONNECTION POWER ² WITH GENERATOR SET SIMULTANEOUS FACTOR 1	280 KVA	320 KVA	320 KVA	350 KVA	380 KVA
CONNECTION POWER ² MAIN CONNECTION WITH 1 CEMENT SCREW CONVEYOR SIMULTANEOUS FACTOR 0.8	115 KW	128 KW	128 KW	139 KW	155 KW

¹ The concrete output depends on several parameters and has to be calculated individually for every application.
The figures are based on a discharging on dump trucks.

² Exact electrical connection data are to be determined in accordance with the actual plant layout, including accessories and plant extensions.

³ CEM S = single-shaft compulsory mixer / CEM T = twin-shaft compulsory mixer

CBS 105–160 S/T B ELBA LINEAR BINS WITH BELT-CONVEYED FEEDING



PLANT TYPE	105	110	120	130	140	150	180	200
MIXER TYPE ⁴	CEM 2000 S CEM 2000 T	CEM 2250 S CEM 2250 T	CEM 2500 S CEM 2500 T	CEM 3000 T	CEM 3333 T	CEM 3500 T	CEM 4000 T	CEM 4500 T
MAX. CONCRETE OUTPUT OF THE PLANT, COMPACTED FRESH CONCRETE ¹	114 M ³ /H	120 M ³ /H	128 M ³ /H	152 M ³ /H	158 M ³ /H	161 M ³ /H	177 M ³ /H	190 M ³ /H
MIXER VOLUME	2000 L	2250 L	2500 L	3000 L	3333 L	3500 L	4000 L	4500 L
ACTIVE AGGREGATE STOCK	105–312 M ³	105–312 M ³	105–312 M ³	105–312 M ³	140–312 M ³	140–312 M ³	140–312 M ³	140–312 M ³
MAX. COMPONENTS	3–12	3–12	3–12	3–12	4–12	4–12	4–12	4–12
MAX. CEMENT TYPES	6	6	6	6	6	6	6	6
CONNECTION POWER ²⁻³ WITH GENERATOR SET SIMULTANEOUS FACTOR 1	330 KVA	360 KVA	360 KVA	390 KVA	430 KVA	430 KVA	550 KVA	550 KVA
CONNECTION POWER ²⁻³ MAIN CONNECTION WITH 1 CEMENT SCREW CONVEYOR SIMULTANEOUS FACTOR 0.8	130 KW	143 KW	143 KW	154 KW	170 KW	170 KW	220 KW	220 KW

¹ The concrete output depends on several parameters and has to be calculated individually for every application. The figures are based on a discharging on dump trucks.

² Exact electrical connection data are to be determined in accordance with the actual plant layout, including accessories and plant extensions.

³ CEM S = single-shaft compulsory mixer / CEM T = twin-shaft compulsory mixer

CBS: ADVANTAGE OVER ALL OTHERS

EXCEPTIONAL PERFORMANCE, RELIABILITY AND QUALITY ARE THE CORNERSTONES OF OUR CUSTOMER COMMITMENT. THESE CRITERIA CREATE UNIQUE ADVANTAGES THAT SEPARATE THE CBS 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 concrete 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

- Concrete granulate dosing, wash plant integration
- Highly accurate cement dosing
- Optimized 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



LOW ENVIRONMENTAL IMPACT

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



QUALITY & RELIABILITY

- Ammann provides excellent value in mixers and dosing systems, filters, storage silos, and control system
- All core parts are designed in Europe
- Special wear solutions solve real customer problems



AS1 CONTROL SYSTEM

- At work in more than 3,000 plants globally
- Most innovative and complete system ever designed for concrete plants

EXPERIENCE, TECHNOLOGY AND FLEXIBILITY

AMMANN CBS PLANTS SET THE STANDARD FOR UP TO 200 M³/H OUTPUT CLASSES

A linear plant with skip hoist (L-version), the CBS Elba mixing plant, has a small footprint but offers a generously sized solution for the production of ready-mixed concrete.

With a production capacity of standard concrete from 107 m³/h to 190 m³/h, the CBS Elba concrete plant offers a wide performance range.

GENEROUS MIXER SELECTION

Available are both single- or twin-shaft mixers, the CEM S Elba or CEM T Elba, with volume of 2 m³ to 4,5 m³.

A generous selection of maintenance and inspection variations provide variable throughout of the entire plant. The pre-installed weighing module receives cement and water and can be fitted with optional scales.

The aggregates, metered in the separate linear bin, are transported into the mixer by skip or by conveyor belt.

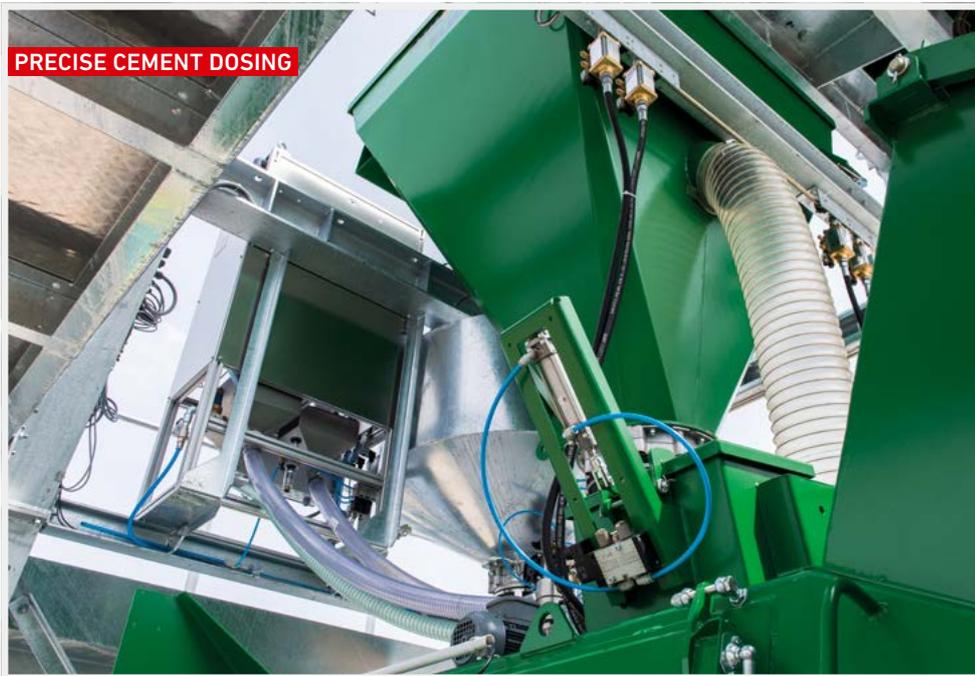
The CBS ELBA is placed on a concrete foundation or it can be erected as a semi-mobile plant without a foundation.





SUSTAINABLE SOLUTIONS

THE USE OF RECYCLED CONCRETE IS A NECESSITY GIVEN TODAY'S SUSTAINABILITY NEEDS.



PRECISE CEMENT DOSING

BENEFITS

Reduction of cement usage due to:

- Exact dosing due to as1 software
- Butterfly valves prevent leaking
- Inverter controlled screws



CONCRETE GRANULATE DOSING

BENEFITS

- Hoppers designed for recycling material



QUALITY & RELIABILITY

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.

So essential is this integration that Ammann engineers all core components 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 offers this single-source approach, establishing us as a professional partner to handle every aspect of your concrete-mixing plant. We provide answers when you need them and keep an open mind in order to fully understand your needs.

AMMANN

CBS OPTIONS



A total of four motorised cleaning jets ensure the mixer looks as good as new.



The CBS 130 TL Elba on concrete foundations. The plant can also be supplied on steel frame foundations as an optional extra.



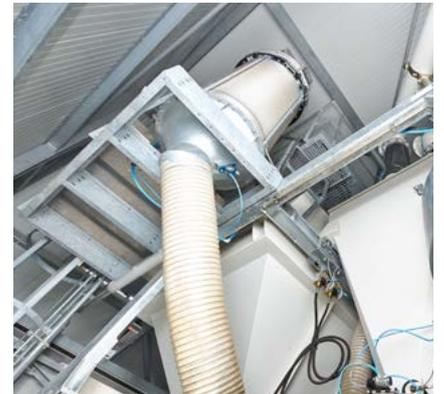
The mixer discharge funnel is clad with EWP wear protection and can be lowered.



The half-shelf on the shaft sealing enables quick and easy maintenance. It is no longer necessary to remove the gear system and motor.



EWP Elba wear protection is a complete set consisting of highly wear-resistant polyurethane. It is designed to fit precisely, for instance on the mixer shaft and paddles, discharge hopper and aggregate skip.



The central dedusting filter has a separate maintenance platform.



Quality control via optional camera system that is mounted to a pneumatically operated camera shaft directly on the mixer.





LOW ENVIRONMENTAL IMPACT

A SHORTAGE OF INDUSTRIAL LAND MEANS THAT CONCRETE-MIXING PLANTS MUST INCREASINGLY BE LOCATED CLOSER TO RESIDENTIAL AREAS.

THAT MAKES IT MORE IMPORTANT THAN EVER THAT PLANTS MINIMISE NOISE IN AN EFFORT TO BE GOOD NEIGHBOURS AND TO MEET LOCAL REQUIREMENTS.

- Ammann offers four levels of noise and dust suppression.
- CBS plants are designed for easy cladding.
- Cladding prevents dust and noise from being released in the atmosphere.
- Plants with cladding are aesthetically pleasing, essential when seeking approvals in urban areas.

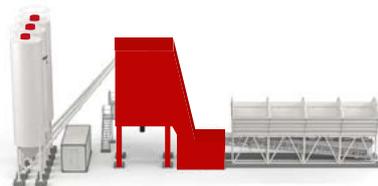


LEVEL 1

AN ECONOMICAL, EFFECTIVE APPROACH

Includes several basic cost-conscious efforts:

- The cement silos are equipped with dust filters
- The weighing hopper is equipped with a filter

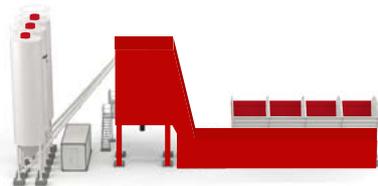


LEVEL 2

COVERING SKIP AND MIXING AREA

Builds on Level 1 and then offers several additions and upgrades:

- The mixer and dosing level are clad with trapezoidal panels
- The skiptrack is clad with trapezoidal panels

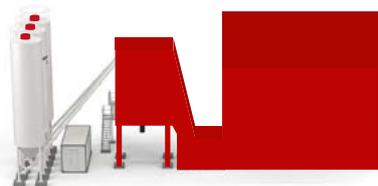


LEVEL 3

CLADDING FOR FURTHER REDUCTIONS

Builds on Level 1 and 2 and then offers several additions and upgrades:

- Insulated pneumatic operated lids can close the aggregate bins
- The aggregate weighing and belt section is clad with trapezoidal panels

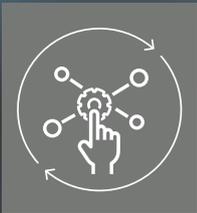


LEVEL 4

THE QUIETEST PLANT POSSIBLE

Builds on Level 1, 2 and 3 and then offers several additions and upgrades:

- The aggregates are stored in high, closed bunkers
- A sound-suppression housing is placed over the feeding areas on top of the bunkers



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 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.

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, reliable field bus and load-sharing
- Professional hotline and support organisations ready for service worldwide





TRANSPORT & INSTALLATION

THE CBS IS 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 stabilized soil – without the need of a concrete foundation.



QUICK INSTALLATION



1



2



3



4



5



6



12



11



10



9



8



7



EFFICIENCY & ENERGY SAVING

AMMANN PLANTS ENABLE CUSTOMERS TO CARRY OUT THEIR DUTIES EFFICIENTLY AND PRODUCTIVELY. THE PLANTS HELP CUSTOMERS WORK SMARTER, NOT HARDER.

MIXER

- High-efficiency mixer
- Short mixing time
- Easy cleaning
- Low wear
- Cleaning mode

INVERTER DRIVES

- High peak reduction
- Optimized speed of motors
- Wearing reduction

MIXER OUTLET

- Pulse peak system
- Smooth discharge
- Easy cleaning
- Wearing reduction
- Energy saving

CLADDING

- Weather protection
- Reduction of thermal Influences
- Heating capability

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.

AMMANN

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

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

13 MANUFACTURING FACILITIES & CENTRE OF COMPETENCE

13 WAREHOUSES

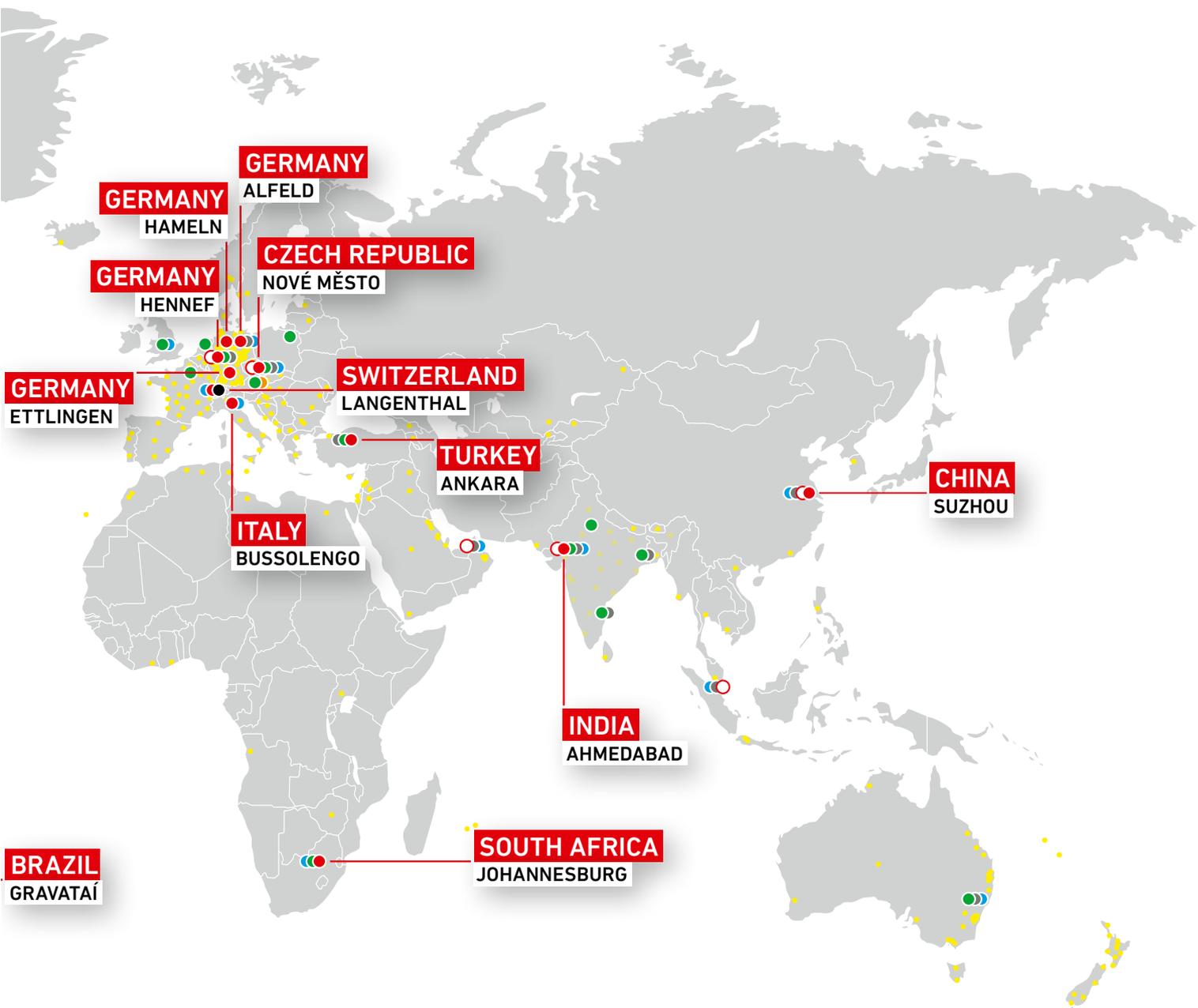
12 TRAINING CENTRES



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



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

