

PLANTS

CUSTOMIZED CONCRETE MIXING PLANTS FOR THE PRECAST CONCRETE INDUSTRY

150



**Years of
Innovation**
Since 1869

AMMANN

MIXING PLANTS FOR PRECAST CONCRETE

TO THE SPECIFIC PRODUCTION NEEDS OF THE CUSTOMER

AMMANN EXPERTISE

On all applications in the concrete ware and precast concrete industries, such as hollow core slabs, carrousel plants, pre-stressed concrete products, paving stone, stairs, etc. All customized solutions base on Ammann modules.

AMMANN MIXING SYSTEMS

For the production of all kinds of concrete, such as heavy-weight concrete, light-weight concrete, normal concrete, self-compact-ing concrete, selfcompacting light-weight concrete, ultra-high performance concrete, coloured concrete, face and core concrete, as well as foamed concrete.

AMMANN CONTROL SYSTEMS

Are internationally in operation. The control system was specifically developed for the use in concrete precast plants:

- Remote recall, connection of a bucket conveyor or production machine
- Consistency measuring and control systems, mixer and sand moisture measurement, etc.

HIGHLIGHTS

- Modular design from Basic Project up to double mixing plant
- Suitable for concrete ware, precast and special concrete
- Wide performance spectrum
- Customized solutions with Ammann modules

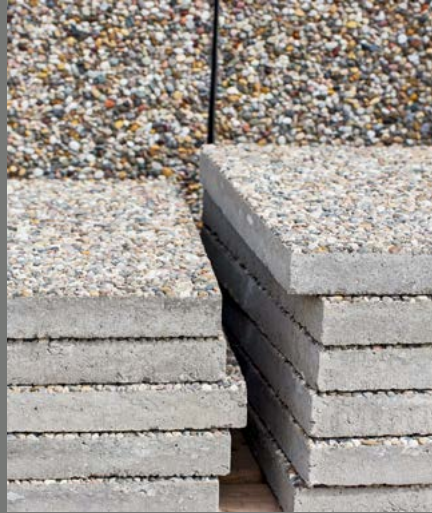


Planetary counter-current mixer CEM P Elba

“On all applications in the concrete ware and precast concrete industries, such as hollow core slabs, carrousel plants, pre-stressed concrete products, paving stone, stairs, etc.”



PAVING STONES



CONCRETE SLABS



CONCRETE WARE



CONCRETE PIPES



CONCRETE PRECAST WALLS



HOLLOW CORE SLABS



RAILWAY SLEEPERS



CONCRETE TUNNEL SEGMENTS



WALLS AND COLUMNS IN REINFORCED CONCRETE

MODULE CMP L ELBA WITH LIFT

BASIC UNIT

The basic Module CMP L Elba with lift is suitable for planning new plants or for being adapted to existing production plants to improve and increase the production.

Basic unit consisting of:

Mixer, skip hoist drive, and skip hoist

Available options:

Weigher frame, cement weigher, water weigher, skip-type aggregate weigher, airbag, mixer filter, dosing gate, control system, cement screw conveyors, etc.

HIGHLIGHTS

- Compact design
- Variable expandability
- Expandable by modules
- Application in new plants or Retrofit modernization

PLANETARY COUNTER-CURRENT MIXER

MIXER TYPE	COMPACTED FRESH CONCRETE	DRY VOLUME	CEMENT WEIGHER CAPACITY	LIFT CAPACITY
CEM 375 P ELBA	250 l	375 l	180 l	560 l
CEM 500 P ELBA	333 l	500 l	250 l	655 l
CEM 750 P ELBA	500 l	750 l	325 l	850 l
CEM 1125 P ELBA	750 l	1125 l	400 l	1330 l
CEM 1500 P ELBA	1000 l	1500 l	520 l	1980 l
CEM 2250 P ELBA	1500 l	2250 l	820 l	2500 l
CEM 3000 P ELBA	2000 l	3000 l	1120 l	3400 l
CEM 3750 P ELBA	2500 l	3750 l	1350 l	4300 l
CEM 4500 P ELBA	3000 l	4500 l	1600 l	5500 l

SINGLE-SHAFT COMPULSORY MIXER

MIXER TYPE	COMPACTED FRESH CONCRETE	DRY VOLUME	CEMENT WEIGHER CAPACITY	LIFT CAPACITY
CEM 500 S ELBA	500 l	750 l	300 l	750 l
CEM 1000 S ELBA	1000 l	1500 l	600 l	1500 l



Module CMP L Elba with options



Module CMP L, CEM 2250 P Elba

MODULE CMP B ELBA WITH PRE-HOPPER

ADVANCED VERSION OF THE BASIC UNIT

The Module CMP B Elba with pre-hopper – an advanced version of the basic unit for new plants or for being adapted to already existing production plants with aggregate belt conveyor or tower-type production plants.

Basic unit consisting of:

Mixer, weigher frame and pre-hopper.

Available options:

Cement weigher, water weigher, pre-hopper as a weigher, airbag, mixer filter, dosing gate, control system, cement screw conveyors, etc.

HIGHLIGHTS

- Compact design, small dimensions
- Multiple use
- Expandable by modules
- Pre-hopper which can also be designed as a weigher
- Use in new plants or in Retrofit modernization
- Improvement of existing tower-type or belt-type plants

PLANETARY COUNTER-CURRENT MIXER

MIXER TYPE	COMPACTED FRESH CONCRETE	DRY VOLUME	CEMENT WEIGHER CAPACITY	PRE-HOPPER CAPACITY
CEM 375 P ELBA	250 l	375 l	180 l	800 l
CEM 500 P ELBA	333 l	500 l	250 l	800 l
CEM 750 P ELBA	500 l	750 l	325 l	1100 l
CEM 1125 P ELBA	750 l	1125 l	400 l	1600 l
CEM 1500 P ELBA	1000 l	1500 l	520 l	2000 l
CEM 2250 P ELBA	1500 l	2250 l	820 l	3200 l
CEM 3000 P ELBA	2000 l	3000 l	1120 l	4200 l
CEM 3750 P ELBA	2500 l	3750 l	1350 l	5000 l
CEM 4500 P ELBA	3000 l	4500 l	1600 l	6300 l
CEM 6000 P ELBA	4000 l	6000 l	2250 l	8000 l

WEIGHER MODULE

MIXER SIZE	AGGREGATES	CEMENT	WATER
1000 / 1500–2500 / 3750	up to 6500 kg / 2,5 m ³ Vol	600–1200 kg	300–600 kg



Module CMP B Elba



Module CMP B Elba with options



Module CMP B, CEM 750 P Elba during installation.



Module EM-Basic Project

MODULE PROFI PROJECT

CONNECTED TO ALL PRODUCTION MACHINES

For medium to large concrete outputs in the concrete ware and precast industry Ammann offers 1 m³ to 4 m³ mixer modules.

The Profi Project plants can be connected to all production machines in the concrete precast industry.

HIGHLIGHTS

- Mixer sizes of 1 m³ to 4 m³ of compacted fresh concrete
- Ammann planetary countercurrent mixers with up to 3 mixer discharge gates
- Variable concrete discharge – concrete ware, readymix concrete
- Expandable by modules
- Variable aggregate storage
- Connection to bucket conveyor, concrete distributor, production tables, discharging belts, directly into production machines or crane buckets, etc.

MODULE PROFI PROJECT WITH PLANETARY COUNTER-CURRENT MIXER

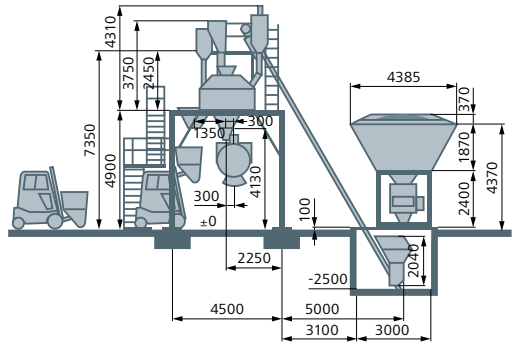
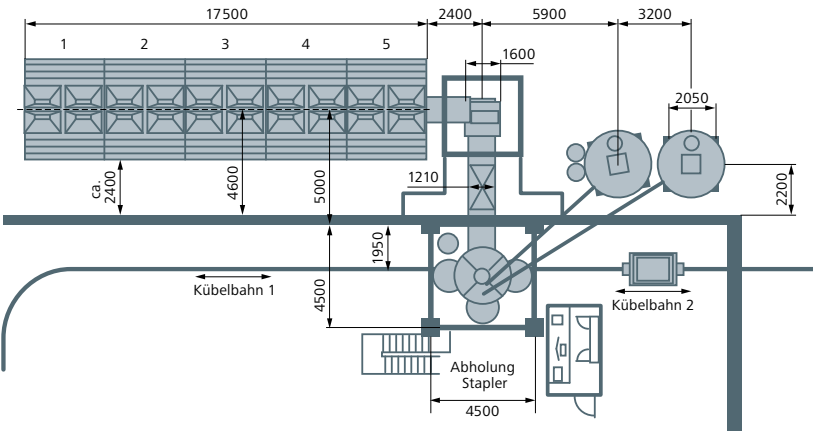
MIXER TYPE	COMPACTED FRESH CONCRETE	DRY VOLUME	AGGREGATE BINS
CEM 1500 P ELBA	1000 l	1500 l	2–12
CEM 2250 P ELBA	1500 l	2250 l	2–12
CEM 3000 P ELBA	2000 l	3000 l	2–12
CEM 3750 P ELBA	2500 l	3750 l	2–12
CEM 4500 P ELBA	3000 l	4500 l	2–12
CEM 6000 P ELBA	4000 l	6000 l	2–12

MODULE PROFI PROJECT WITH SINGLE-SHAFT COMPULSORY MIXER

MIXER TYPE	COMPACTED FRESH CONCRETE	DRY VOLUME	AGGREGATE BINS
CEM 1000 S ELBA	1000 l	1500 l	2–12

Other sizes available on request.

CMP L / CEL 20-100/5 ELBA



Module Profi Project



Bucket conveyor system

DOUBLE MIXING PLANTS

EXTENSIVE RANGE OF PRODUCTION PLANTS

Ammann double mixing plants to build large customized production plants using two or more modules or standard plants.

Applications:

- Paving stone making plants using face and core concretes
- Big precast concrete factories needing large concrete quantities
- Combined plants for the production of precast concrete and ready-mix concrete

HIGHLIGHTS

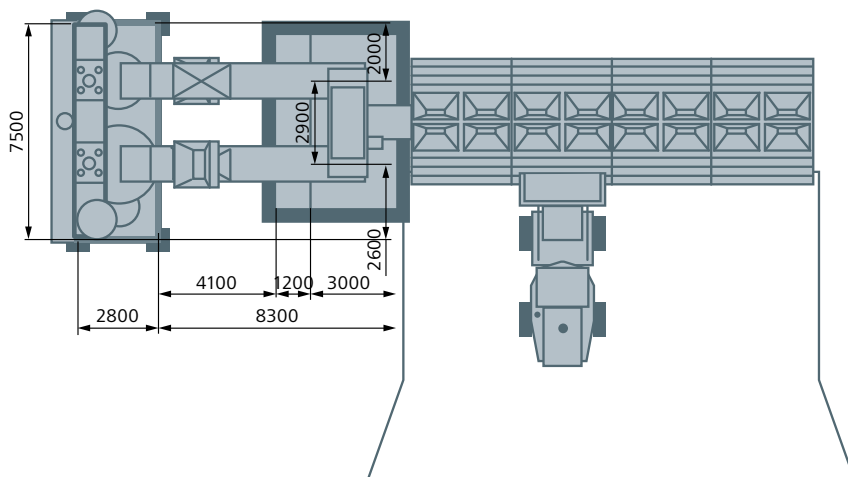
- With 2 or more mixers on mixer platform
- Central aggregate storage in linear storage bins with aggregate distribution
- Separate cement and water batching
- Connection to bucket conveyor, concrete distributor, discharge belts, directly to production machines or crane buckets, etc.

SELECTION OF POSSIBLE TYPES (DESIGNATION DRY CAPACITY)

FACE AND CORE CONCRETES	DOUBLE MIXING PLANTS
333–750	750–2250
500–1500	1500–1500
750–2250	2000–2000
500–2250	3000–3000
500–3000	4500–4500

Other sizes available on request.

DOUBLE MIXING PLANT





Module CMP B 3000–3000 Elba



Module CMP L 1500–1500 Elba



Mixer cleaning system (Detail / Option).



Sand moisture measurement device (Detail / Option).



Dedusting filter (Detail / Option).



Large cleaning openings (Detail / Option).



Movable weigher (Detail / Option).



Dry colour dosing (Detail / Option).



Winter cladding (Detail / Option).

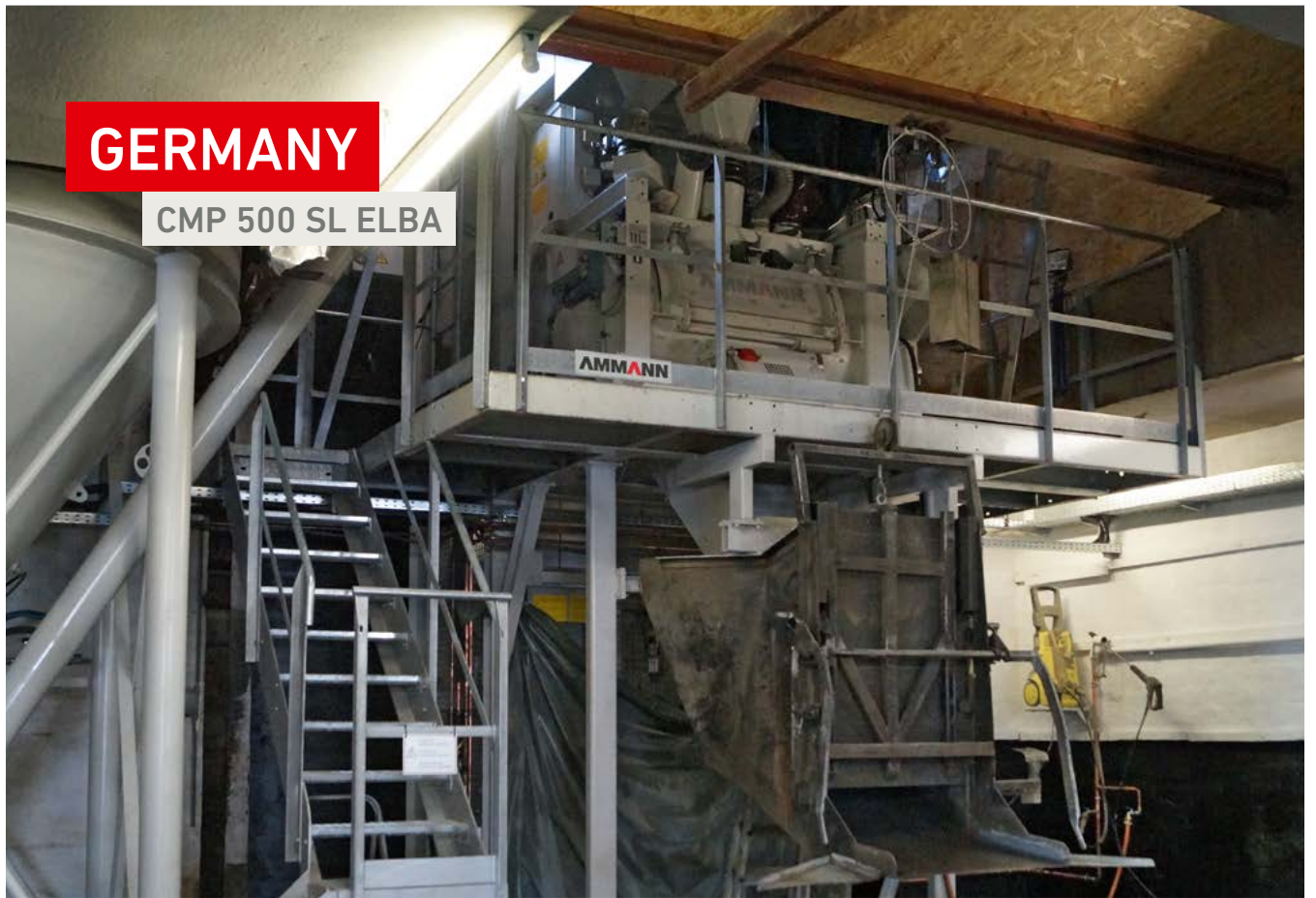


Wet colour dosing (Detail / Option).



GERMANY

CMP 500 SL ELBA



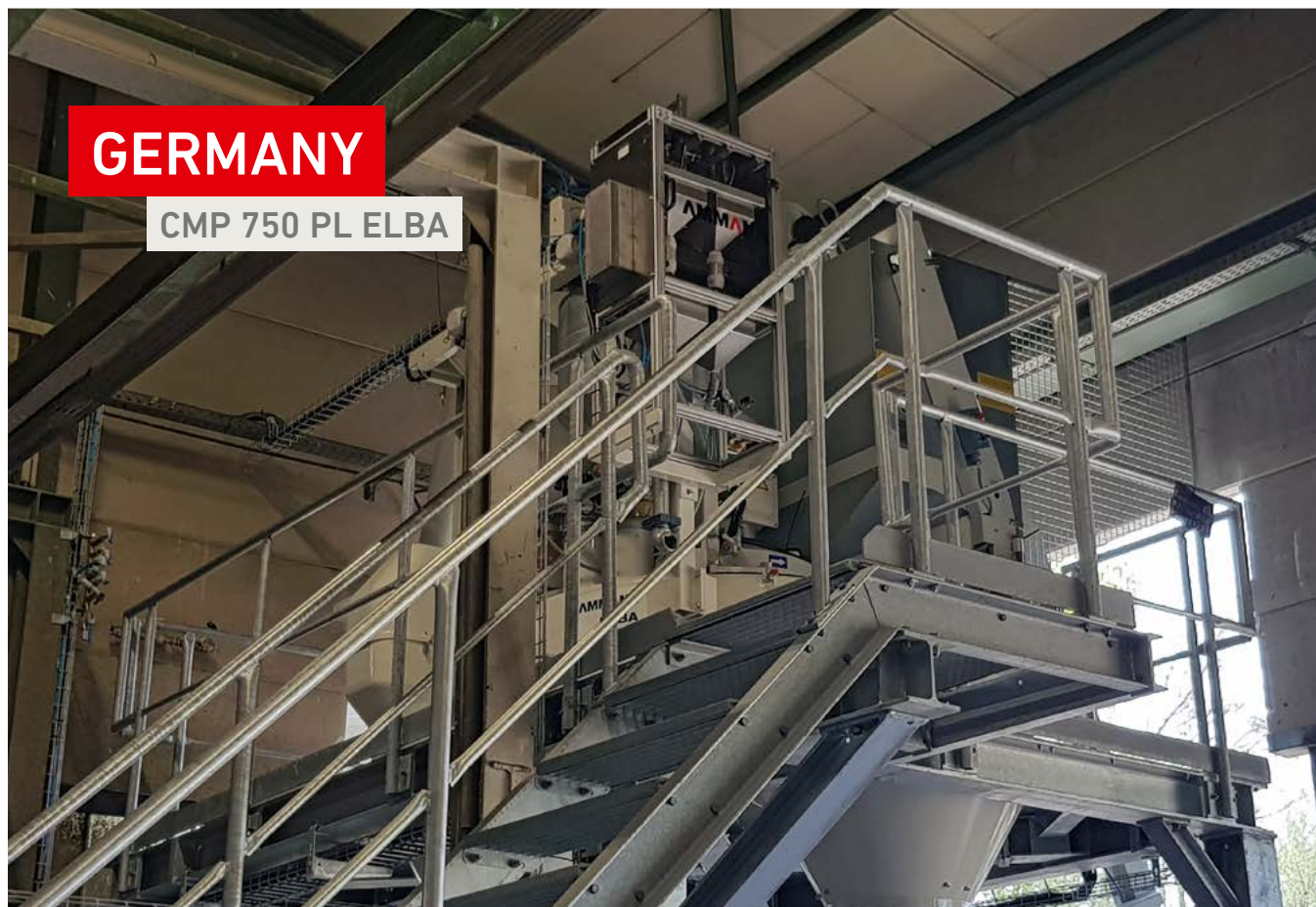
GERMANY

CMP 750 PB ELBA



GERMANY

CMP 750 PL ELBA



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