

PLANTS

CUSTOMIZED CONCRETE MIXING PLANTS FOR THE PRECAST CONCRETE INDUSTRY



AMMANN

AMMANN GROUP WORLDWIDE

NINE PRODUCTION LOCATIONS AND
OVER 100 AGENCIES AND SALES PARTNERS



MACHINES

LIGHT COMPACTION



SOIL & ASPHALT COMPACTORS



ASPHALT PAVERS



PLANTS

CONCRETE MIXING PLANTS



ASPHALT MIXING PLANTS





AN INNOVATIVE FAMILY FIRM

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. 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. We are aware that plants and machines that prove their merits day after day under tough operating conditions are the only way to give our customers the critical, competitive edge they need. As you would expect, we provide a well-developed service network and reliable supply of spare parts, together with support throughout the lifetimes of the plants and machines that we offer.

MIXING PLANTS FOR PRECAST CONCRETE

TO THE SPECIFIC PRODUCTION NEEDS OF THE CUSTOMER

AMMANN ELBA EXPERTISE

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

AMMANN ELBA MIXING SYSTEMS

For the production of all kinds of concrete, such as heavy-weight concrete, light-weight concrete, normal concrete, self-compacting concrete, selfcompacting light-weight concrete, ultra-high performance concrete, coloured concrete, face and core concrete, as well as foamed concrete. Ammann mixing plants with qualification of High Performance acc. to Rilem TC 150-ECM.

AMMANN ELBA 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 Elba modules
- Ammann Elba mixing systems with qualification of high performance



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

HIGHLIGHTS

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

Available options:

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

PLANETARY COUNTER-CURRENT MIXER

MIXER TYPE	COMPACTED FRESH CONCRETE	DRY VOLUME	CEMENT WEIG- HER CAPACITY	LIFT CAPACITY
CEM 375 P	250 l	375 l	180 l	560 l
CEM 500 P	333 l	500 l	250 l	655 l
CEM 750 P ELBA	500 l	750 l	300 l	690 l
CEM 750 P	500 l	750 l	325 l	850 l
CEM 1125 P	750 l	1125 l	400 l	1330 l
CEM 1500 P ELBA	1000 l	1500 l	600 l	1375 l
CEM 1500 P	1000 l	1500 l	520 l	1980 l
CEM 2250 P ELBA	1500 l	2250 l	900 l	2030 l
CEM 2250 P	1500 l	2250 l	820 l	2500 l
CEM 3000 P	2000 l	3000 l	1120 l	3400 l
CEM 3750 P	2500 l	3750 l	1350 l	4300 l
CEM 4500 P	3000 l	4500 l	1600 l	5500 l

SINGLE-SHAFT COMPULSORY MIXER

MIXER TYPE	COMPACTED FRESH CONCRETE	DRY VOLUME	CEMENT WEIG- HER 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, CEM 2250 P Elba.



Module CMP L Elba with options.

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 WEIG- HER CAPACITY	PRE-HOPPER CAPACITY
CEM 375 P	250 l	375 l	180 l	800 l
CEM 500 P	333 l	500 l	250 l	800 l
CEM 750 P ELBA	500 l	750 l	300 l	690 l
CEM 750 P	500 l	750 l	325 l	1100 l
CEM 1125 P	750 l	1125 l	400 l	1600 l
CEM 1500 P ELBA	1000 l	1500 l	600 l	1375 l
CEM 1500 P	1000 l	1500 l	520 l	2000 l
CEM 2250 P ELBA	1500 l	2250 l	900 l	2030 l
CEM 2250 P	1500 l	2250 l	820 l	3200 l
CEM 3000 P	2000 l	3000 l	1120 l	4200 l
CEM 3750 P	2500 l	3750 l	1350 l	5000 l
CEM 4500 P	3000 l	4500 l	1600 l	6300 l
CEM 6000 P	4000 l	6000 l	2250 l	8000 l

TOWER 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 BASIC PROJECT

INDIVIDUAL REQUIREMENTS

The Module Basic Project enables compact production plants for small to medium concrete outputs to be realized at reasonable prices. For this, the chosen products can be tailored to the specific production needs.

HIGHLIGHTS

- Small dimensions, space-saving
- Installation directly in the factory building possible
- Expandable by modules
- Aggregate feeding directly from belt into mixer, optionally via lift
- Ammann Elba linear storage bin consisting of 2 to 24 components, 4,5 to 52 m³ volume
- Concrete discharge directly into the concrete bucket of the fork lift

MODULE BASIC PROJECT WITH PLANETARY COUNTER-CURRENT MIXER

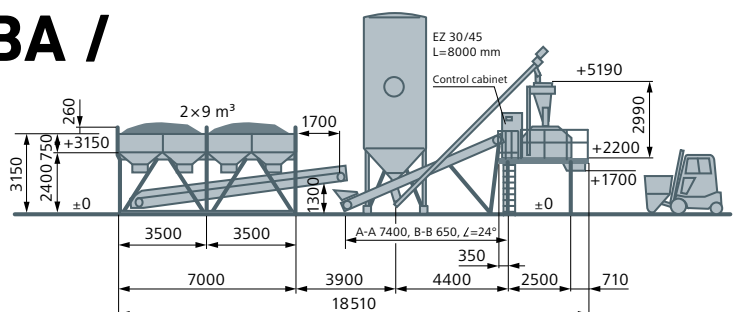
Mixer Type	Compacted Fresh Concrete	Dry Volume	Aggregate Bins
CEM 375 P	250 l	375 l	2-24
CEM 500 P	333 l	500 l	2-24
CEM 750 P ELBA	500 l	750 l	2-24
CEM 1125 P	750 l	1125 l	2-24

MODULE BASIC PROJECT WITH SINGLE-SHAFT COMPULSORY MIXER

MIXER TYPE	COMPACTED FRESH CONCRETE	DRY VOLUME	AGGREGATE BINS
CEM 500 S ELBA	500 l	750 l	2-24

Other sizes available on request

**CMP B 750, CEM P ELBA /
CEL 9-18/2 ELBA**





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 Elba 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 Elba 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	2000 l	3000 l	2–12
CEM 3750 P	2500 l	3750 l	2–12
CEM 4500 P	3000 l	4500 l	2–12
CEM 6000 P	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

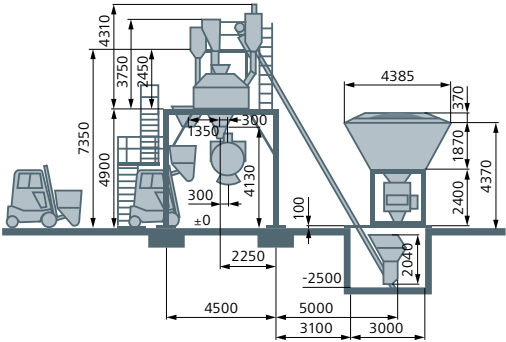
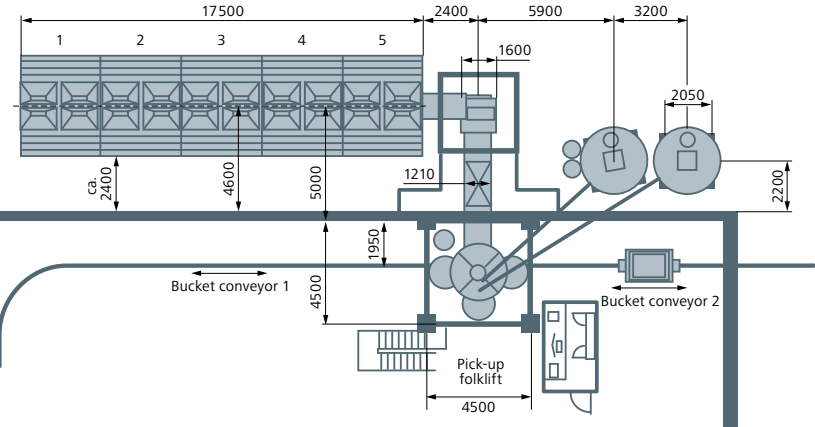


Module Profi Project.



Bucket conveyor system.

CMP L / CEL 20–100/5 ELBA



DOUBLE MIXING PLANTS

EXTENSIVE RANGE OF PRODUCTION PLANTS

Ammann Elba 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

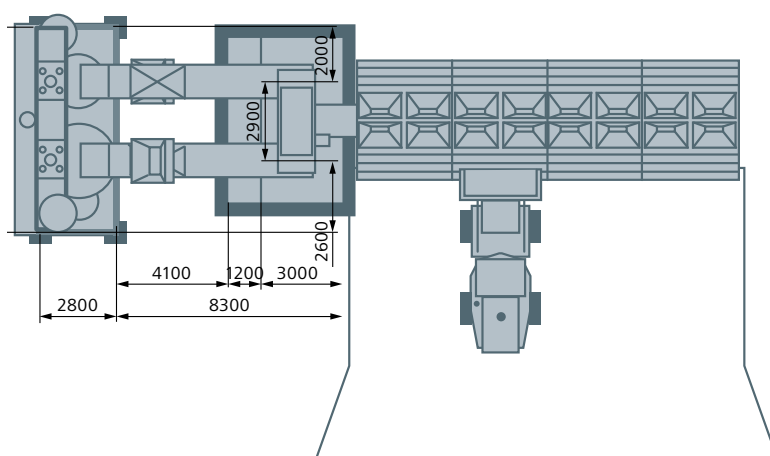
- With 2 or more mixers on mixer platform
- Central aggregate storage in linear storage bins with aggregate distribution
- Separate cement and water batching
- Connection to bucket conveyor, concrete distributor, discharge belts, directly to production machines or crane buckets, etc.

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).



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

