

AMMANN ELBA CC PLANTS

CONCRETE BATCHING PLANTS

CC 30 - CC 150



AMMANN
ELBA

COMPACT SERIES

The Ammann Elba Compact Series Concrete Plant delivers fast installation, easy access, unmatched mobility, and low-maintenance operation, providing reliable and efficient concrete production with minimal site preparation.

PRE ASSEMBLED

Arrives on site with pre-assembled structure, so you can start concrete production faster.

ZERO FOUNDATION

Installs directly on a plain PCC/RCC — no column type foundation work, saving on cost and time.

EASE OF ACCESS

Compact yet fully accessible: surround mixer platform and reach to the cement-weighing level making maintenance easy and safe.

LESSER MAINTENANCE

Weighing Cum Transfer Belt avoids the hassles of frequent maintenance compared to high maintenance skip weighing plants

UNMATCHED MOBILITY

Single structure allows the plant to be shifted across multiple projects with minimal effort.





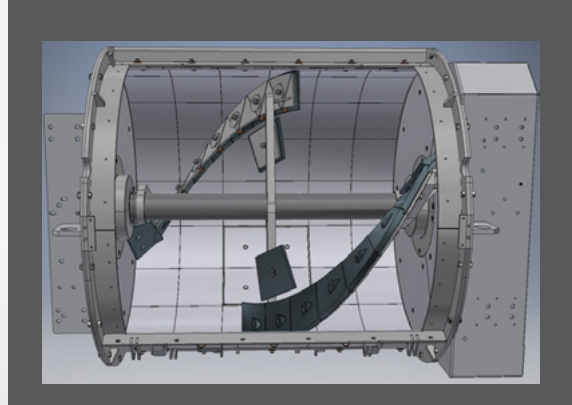
MIXING INNOVATION

SPIRAL MIXER



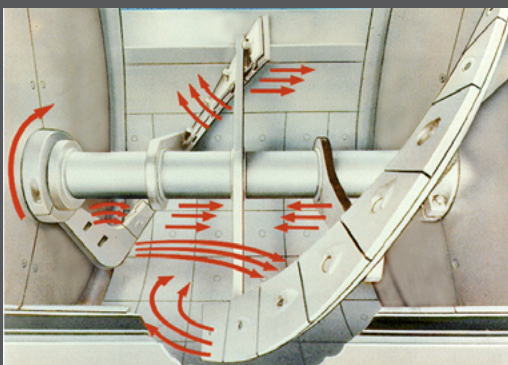
SPIRAL MIXING PROFILE

A unique spiral profile delivers a homogeneous mix in 33%* less mixing time — making it highly efficient across all mix designs, including high-grade concrete.



MAINTENANCE MADE EASY

An industry-first innovation: replace the mixer body seal and wear parts from inside the mixer, without dismantling the external drive unit — cutting maintenance time by up to 60% versus conventional mixers. Boltless bottom body tiles let you swap tiles quickly, with no special tools required.



3-DIMENSIONAL MIXING

Where paddle mixers leave gaps, our continuous spiral blades keep the entire batch in motion — lifting and blending throughout the cycle. The result: uniform consistency, zero aggregate slippage and no dead zones between blades.





ADDITIONAL FEATURES

- Auto Greasing
- Wide Maintenance Entry Door
- Tamper Proof Safety Switch on Entry Gate
- More maintenance space inside the mixer

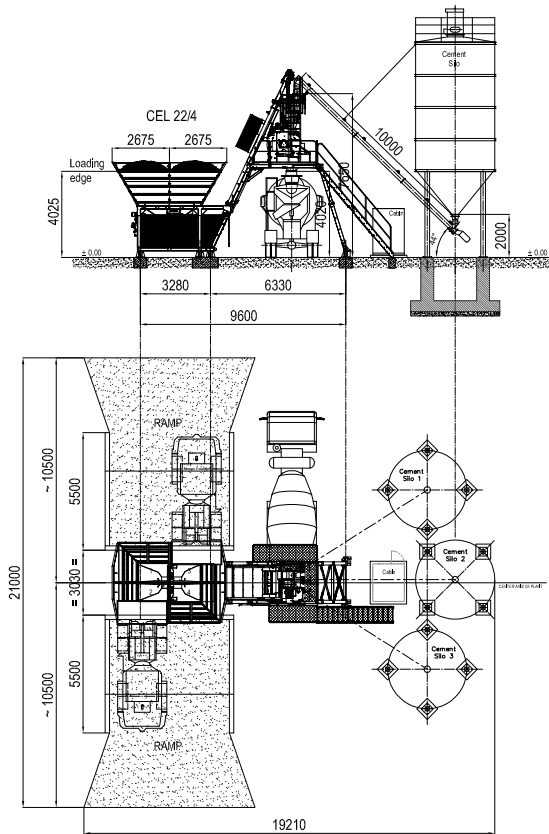


TECHNICAL SPECIFICATION **COMPACT SERIES**

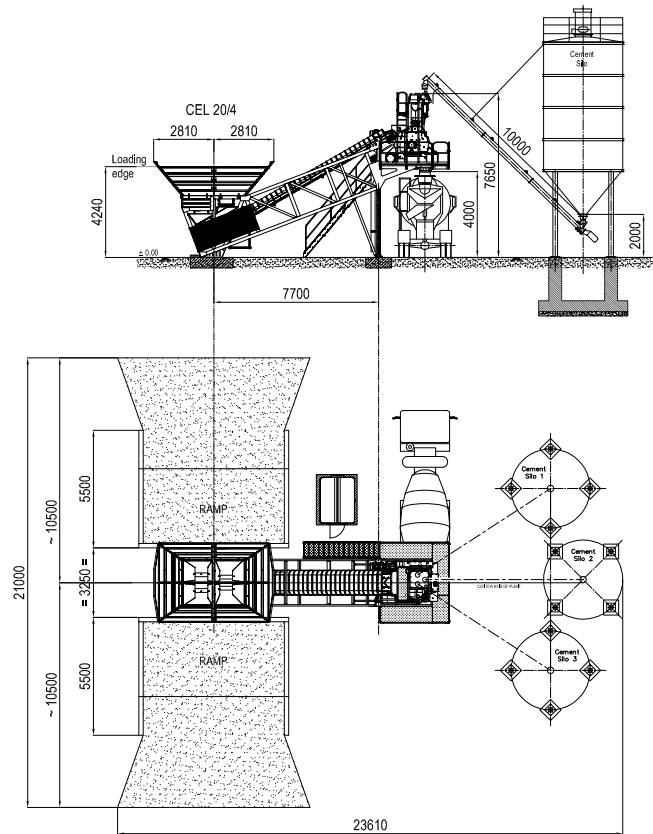
DETAILS	DESCRIPTION	UNIT	CC 30			CC45		CC 60	
			CB S SSM	CB B SSM	CB B PAN	CB S SSM	CB B SSM	CB S SSM	CB B SSM
TOTAL UNIT	Output ¹	m ³ /hr	30	30	30	45	45	60	60
	Concrete discharge height	m	4	4	4	4	4	4	4
	Operating voltage / frequency	V/Hz	415 / 50	415 / 50	415 / 50	415 / 50	415 / 50	415 / 50	415 / 50
BASIC TRANSPORTATION	Containers / trailers	No.s	1 x 40'	1 x 40'	1 x 40'	1 x 40'	1 x 40'	2 x 40'	2 x 40'
CONTROL UNIT	TYPE	Model	AS1	AS1	AS1	AS1	AS1	AS1	AS1
MIXER UNIT	Mixer type	Type	SPIRAL	SPIRAL	PAN	SPIRAL	SPIRAL	SPIRAL	SPIRAL
	Mixer model	Model	CEM 500 S	CEM 500 S	CEM 500 PAN	CEM 750 S	CEM 750 S	CEM 1000 S	CEM 1000 S
	Compacted fresh concrete	m ³	0.5	0.5	0.5	0.75	0.75	1	1
	Dry filling	m ³	0.75	0.75	0.75	1.125	1.125	1.5	1.5
	Mixer driving power	kW	1 x 18.5	1 x 18.5	1 x 22	1 x 30	1 x 30	1 x 37	1 x 37
	Mix. grain size	mm	60 / 80	60 / 80	60 / 80	60 / 80	60 / 80	100-120	100-120
AGGREGATE WEIGHING	Type		Skip	Belt	Belt	Skip	Belt	Belt	Belt
	No. of weighing cells	pcs	4	4	4	4	4	4	4
	Drive power	kW	11	11	11	15	15	9.2	15
AGGREGATE TRANSFER	Type		Same Skip	Same Belt	Same Belt	Same Skip	Same Belt	Skip	Same Belt
	Drive power	kW	-	-	-	-	-	18.5	-
AIR COMPRESSOR	Type of compressor		Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating
	Max. pressure	bar	10	10	10	10	10	10	10
	Volume of pressure vessel	Ltr	180	180	180	180	180	220	200
CEMENT WEIGHING SYSTEM	Weighing capacity	Kg	350	350	350	450	450	600	700
	No. of weighing cells	Pcs	3	3	3	3	3	3	3
WATER WEIGHING SYSTEM	Weighing capacity	Kg	150	150	150	225	225	300	300
	No. of weighing cells	pcs	1	1	1	1	1	3	2
AGGREGATE BIN FEEDER	Type		Compartment	Compartment	Compartment	Compartment	Compartment	Compartment	Compartment
	Capacity	m ³	22	20	20	22	20	30/50 ²	40
	Number of chambers	pcs	4	4	4	4	4	4	4
	Batching gates	pcs	4	4	4	4	4	4	4
	Filling height	m	4.0	4.1	4.1	4.0	4.2	4.0	5.0
	Filling width per chamber	m	2.7	2.82	2.82	2.7	2.82	3.05	3.05
Connected Power ³	With 1 screw conveyor	kW	50	50	53.5	67	67	81	79.5

1. The concrete output depends on several parameters and must be calculated individually for every case of application. The figures theoretical based on a discharging on dump trucks.
2. The exact electrical connection data are to be determined in accordance with the real plant layout including accessories and plant extensions.
3. Available with 50m³ bin storage capacity also.

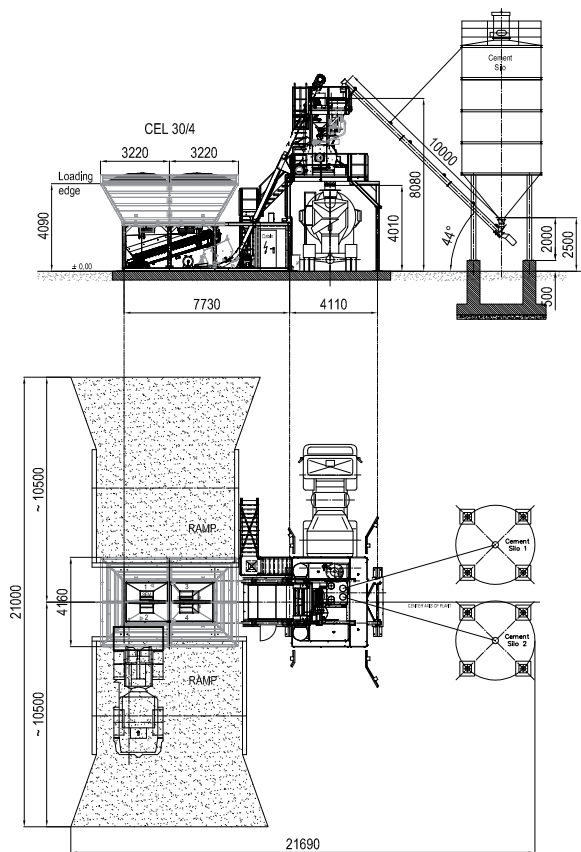
LAYOUT ARRANGEMENT



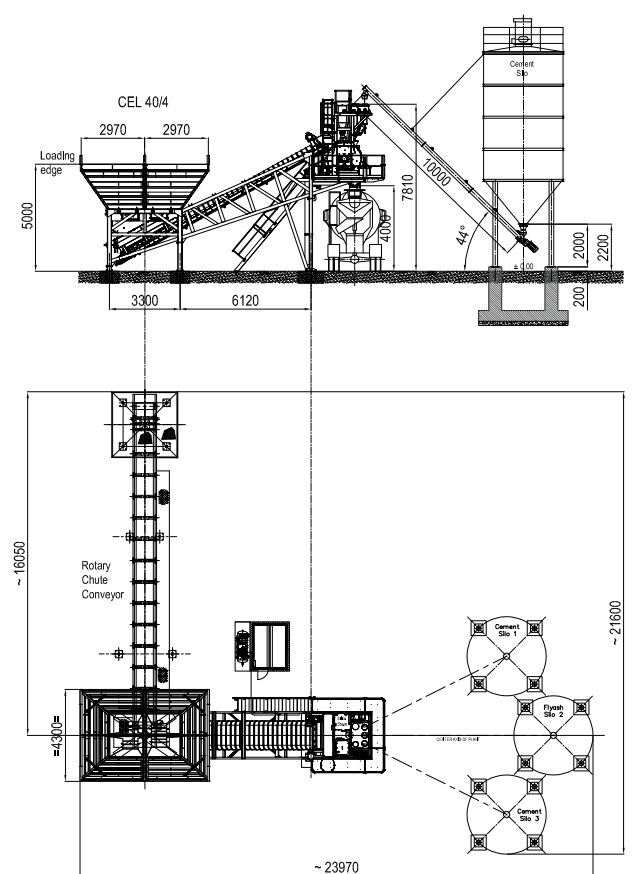
CC30/45 - SKIP VERSION



CC30/45 - BELT VERSION



CC60 - CB S SSM



CC60 - CB B SSM

CC30 CB B SSM



CC60 CB S SSM



CC45 CB B SSM



CC60 CB B SSM



INLINE SERIES

The Ammann Elba Inline Series Concrete Plant combines modular construction, flexible configurations, and advanced spiral mixing technology to deliver accurate, efficient, and reliable concrete production for diverse project requirements.

MODULAR CONSTRUCTION

A fully modular plant architecture enables fast on-site erection and commissioning, bringing the plant to production-ready status in significantly less time.

FULLY CONFIGURABLE

Engineered to support every major configuration: aggregate storage up to 6 bins, Silica, Ice, crystalline-powder weighing, chilled water and up to 4 admixtures — giving you the flexibility to produce any concrete mix design.

FLEXIBLE LAYOUT OPTIONS

The Inline Series adapts to your site. Choose inline or 90° to Inclined conveyor arrangement, zero-ramp or half-ramp installation, and ice-above-mixer or ice-above-IBC configurations — accommodating any site layout.

SPIRAL MIXING TECHNOLOGY

Equipped with Ammann Elba's patented spiral mixer technology, the plant delivers a homogeneous mix in less time than conventional mixers — with fast and complete batch-on-batch discharge that suits any mix design, including high-grade concrete.



DIVERSE APPLICATIONS

Engineered to perform across RMC, road, irrigation, airport, real-estate and dam projects. The spiral mixer handles larger aggregates with ease — eliminating the need for a special dam-version mixer.

EASY & SAFE ACCESS

Comprehensive safety as standard: guarding on rotating parts, hood cover over the inclined belt, a surround platform at mixer level, a second-level platform and an RFID-controlled mixer-door entry switch — enhancing accessibility and safety during operation and maintenance.

STRONG STRUCTURE

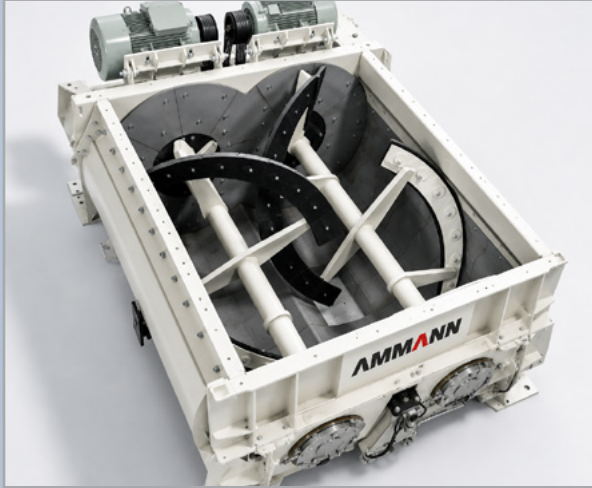
Built from structural steel for superior durability and an extended service life — so the plant performs reliably across multiple projects, shifts and relocations.

ACCURATE WEIGHING

A digital weighing system with real-time signal processing achieves industry-leading batching accuracy of up to $\pm 0.5\%$, enabling consistently high-quality concrete production while reducing raw-material waste.

MIXING INNOVATION

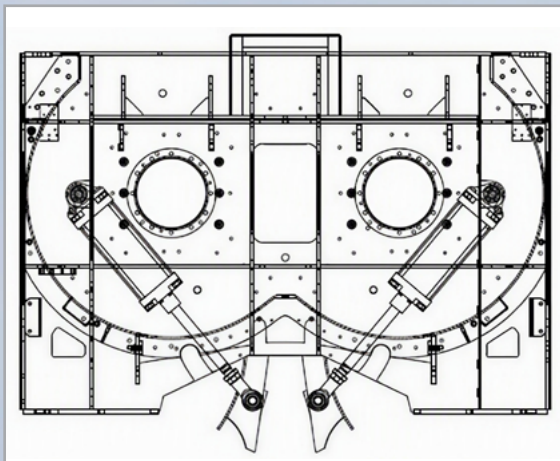
SPIRAL MIXER



SPIRAL MIXING PROFILE

Two counter-rotating spiral blade profiles create overlapping mixing zones that intensify material movement, delivering a fast, highly homogeneous mix — ideal for high-output production across all mix designs.





DUAL DISCHARGE GATE

Discharge timing is critical to the plant's cycle time and to sustaining consistent, high hourly output. The twin-spiral mixer's dual discharge gates enable fast, efficient concrete discharge — keeping cycle times short and output rates consistently high, batch after batch.



LOWER MAINTENANCE COST

The spiral mixer's arms & blades last up to longer life cycles before replacement — significantly lowering maintenance costs versus conventional mixers. Combined with quick tile changes, internal body-seal replacement and generous working space, it makes the mixer exceptionally O&M-friendly.



TECHNICAL SPECIFICATION **INLINE SERIES**

DETAILS	DESCRIPTION	UNIT	CC 60	CC 75	CC 105	CC 120	CC 130	CC 150
			IB IC SSM	IB IC TSM	IB IC TSM	IB IC TSM	IB IC TSM	IB IC TSM
TOTAL UNIT	Output ¹	m ³ /Hr	60	72 / 75 ²	91 / 105 ²	105 / 120 ²	120 / 130 ²	128 / 150 ²
	Concrete discharge height	m	4	4	4	4	4	4
	Operating voltage / frequency	V/Hz	415 / 50	415 / 50	415 / 50	415 / 50	415 / 50	415 / 50
BASIC TRANSPORTATION	Containers / trailers	No.s	2 x 40'	2 x 40'	3 x 40'	3 x 40'	3 x 40'	3 x 40'
CONTROL UNIT	TYPE	Model	AS1	AS1	AS1	AS1	AS1	AS1
MIXER UNIT	Mixer type	Type	SPIRAL	SPIRAL	SPIRAL	SPIRAL	SPIRAL	SPIRAL
	Mixer model	Model	CEM 1000 S	CEM 1250 T	CEM 2000 T	CEM 2500T	CEM 3000 T	CEM 3500 T
	Compacted fresh concrete	m ³	1.0	1.25	2.0	2.5	3.0	3.5
	Dry filling	m ³	1.5	1.875	3.0	3.75	4.5	5.25
	Mixer driving power	kW	1 x 37	2 x 22	2 x 37	2 x 45	2 x 55	2 x 65
	Mix. grain size	mm	100 / 120	100 / 120	100 / 120	100 / 120	150 / 180	150 / 180
AGGREGATE WEIGHING	Type		Belt	Belt	Belt	Belt	Belt	Belt
	No.s of weighing cells	pcs	4	4	4	4	4	4
	Drive power	kW	9.2	9.2	15	15	22	22
AGGREGATE TRANSFER	Type		Inclined Belt	Inclined Belt	Inclined Belt	Inclined Belt	Inclined Belt	Inclined Belt
	Drive power	kW	11.2	11.2	30	30	37	37
AIR COMPRESSOR	Type of compressor		Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating	Reciprocating
	Max. pressure	Bar	10	10	10	10	10	10
	Volume of pressure vessel	Ltr	220	220	500	500	500	500
CEMENT WEIGHING SYSTEM	Weighing capacity	Kg	700	1000	2100	2100	2100	2100
	No. of weighing cells	Pcs	3	3	3	3	3	3
WATER WEIGHING SYSTEM	Weighing capacity	Kg	300	400	1200	1200	1200	1200
	No. of weighing cells	Pcs	2	2	2	2	2	2
AGGREGATE BIN FEEDER ³	Type		Inline Bin	Inline Bin	Inline Bin	Inline Bin	Inline Bin	Inline Bin
	Capacity	m ³	40	60	80	80	100	100
	Number of chambers	Pcs	4	4	4	4	4	4
	Batching gates	Pcs	4	4	8	8	8	8
	Filling height	m	3.8	4.3	5.5	5.5	5.7	5.7
	Filling width per chamber	m	2.9	2.9	2.9	2.9	3.08	3.08
Connected Power ⁴	With 1 screw conveyor	kW	85	92	165	182	212	247

^{1.} The concrete output depends on several parameters and must be calculated individually for every case of application. The figures theoretical based on a discharging on dump trucks.

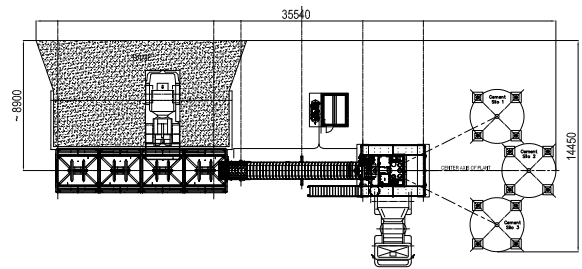
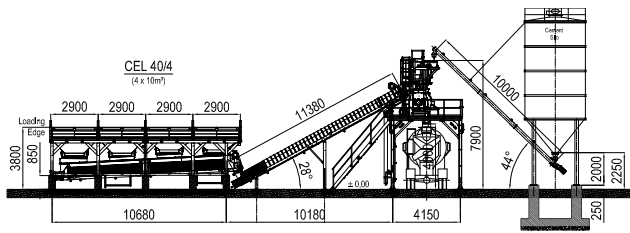
^{2.} Output when plant is supplied with Aggregate Waiting Hopper

^{3.} Combination of inline bins is available on optional basis up to 6 bins.

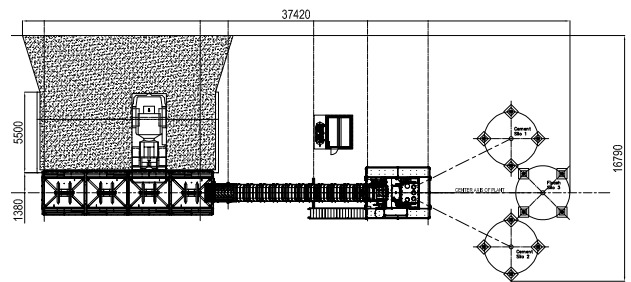
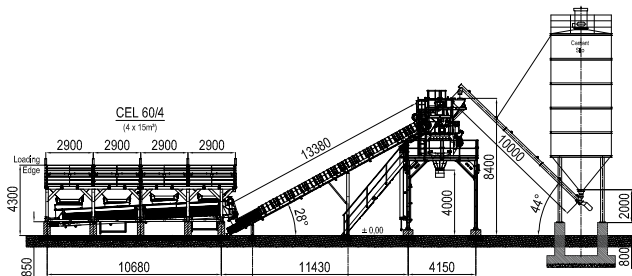
^{4.} The exact electrical connection data are to be determined in accordance with the real plant layout including accessories and plant extensions.

LAYOUT ARRANGEMENT

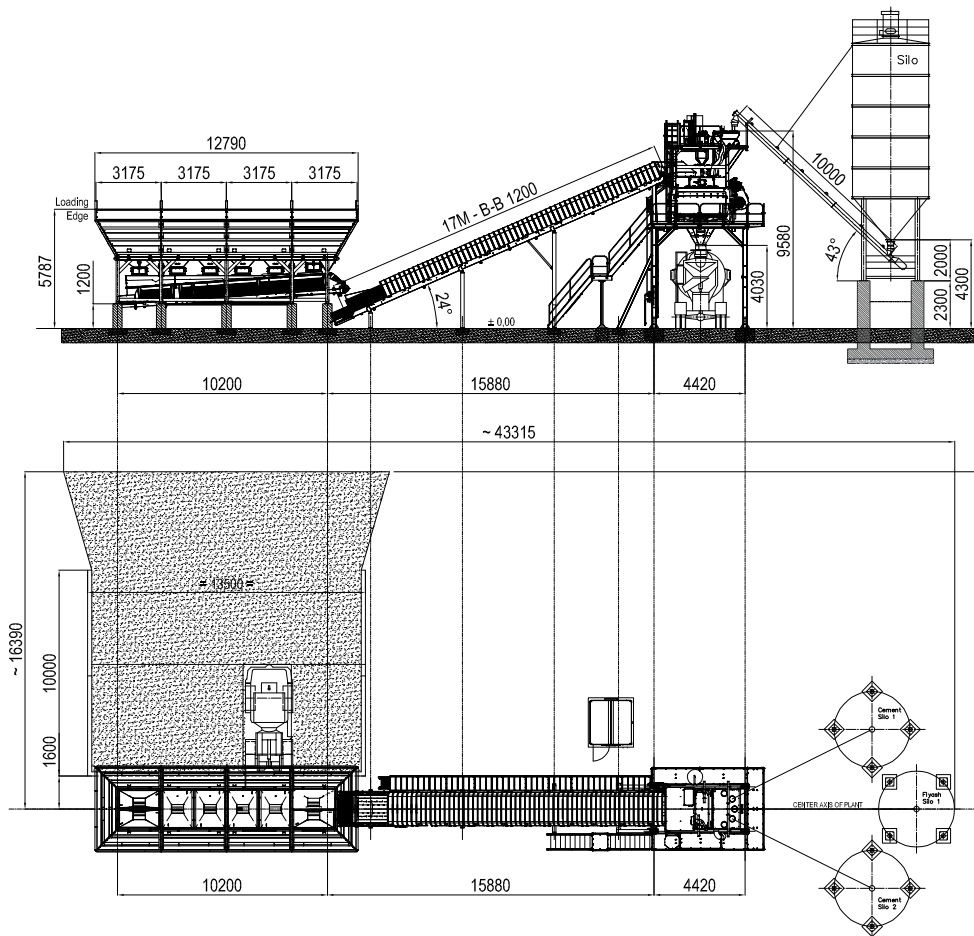
CC60 / CC75/ CC105 / CC120 / CC130 / CC150 IB IC TSM



CC60-IB IC SSM



CC75-IB IC TSM



CC105 - 150 IB IC TSM

CC60 IB IC TSM



CC75 IB IC TSM



CC105 IB IC TSM



CC120 IB IC TSM



CC130 IB IC TSM



CC150 IB IC TSM



OPTIONALS



WEAR PROTECTION SLEEVE



SILICA WEIGHING HOPPER



ICE WEIGHING HOPPER



UP TO 4 ADMIXTURES

AS1 CONTROL SYSTEM

SMART CONTROL, HIGHER ACCURACY,
MAXIMUM PRODUCTIVITY



HIGHER CEMENT SAVINGS

Advanced AS1 software delivers the highest batching accuracy across every raw material in the mix. At $\pm 0.5\%$ accuracy, you significantly cut excess cement consumption — protecting the costliest ingredient in every batch.

$\pm 0.50\%$

ACCURACY OF CEMENT

With AS1 Real Time Weighing Signal Processing Accuracy of 2 to 5 kg per batch

ALWAYS EXPANDABLE

AS1 grows with your business. Add silos, admixtures or ice at any time — even after the plant is installed — with no PLC replacement. Its modular architecture gives you full flexibility to upgrade the plant whenever your needs change.

FASTER SIGNAL PROCESSING

Microprocessor-based technology reads each weighing signal in real time, in under 5 milliseconds. The result: higher accuracy, faster command execution and greater overall plant efficiency.

CONTINUOUS RUNNING

Queue your next load order while the current one runs. AS1 doesn't restart plant from zero for the next batch — a waiting order keeps material loading continuously, raising plant output per hour.

JOGGING LESS OPERATION

Automatic Flow Rate Calculation speeds up batching by continuously tracking the material flowing onto each weighing scale. Because flow rate changes as the hopper empties, AS1 recalculates it on the fly — cutting the slow jogging steps at the end of each weigh.

PARALLEL OPERATIONS

Run screw conveyors / aggregate dosing gates in parallel for the same material. AS1 handles a high cement content per m³ with no increase in cycle time — so you produce high-grade concrete without any real drop in hourly output.

BUILT IN DIAGNOSTICS

The built-in diagnostic system makes fault-finding quick during operation, keeping machine uptime high. Highlighted alarms point the O&M team straight to the relevant section of the manual for fast reference.

ADDITIONAL FEATURES

- Dell Professional Series Industrial Control Computer.
- Easy to do calibration of scales.
- Manage Incoming Material Consumption Stock.
- 7 Steps controlled Concrete Discharge.
- Expert Cell Support for Remote Diagnosis
- SAP/ERP Linking

A-CLOUD IOT TECHNOLOGY

REAL-TIME IOT MONITORING FOR SMARTER, OPTIMIZED PLANT OPERATIONS.

PLANT MIS SUMMARY

Live Daily Production, Current Production Recipe, Last Production Recipe, Day / Month / Year Production Totals, Material Summary (Aggregates, Cements, Admixes), Cement Dosing Accuracy, Admix Dosing Accuracy.

ROLE BASED PORTAL ACCESS

For Administrators, Operators, Owners, Managers & Dealers.

INTERACTIVE TICKETING AND CASE MANAGEMENT SYSTEM

Enabling users to raise breakdown / service / maintenance requests on IoT portal and track its resolution.

ON-DEMAND REPORTS

PDF Batch Weights Reports (Production Protocols), PDF Production and Material Consumption Reports (by Date Range & by Recipe), PDF Single Line Batch Reports, Error / Alarms Reports (Live Alerts for Critical Alarms).

HISTORIC DATA & DATA EXPORT

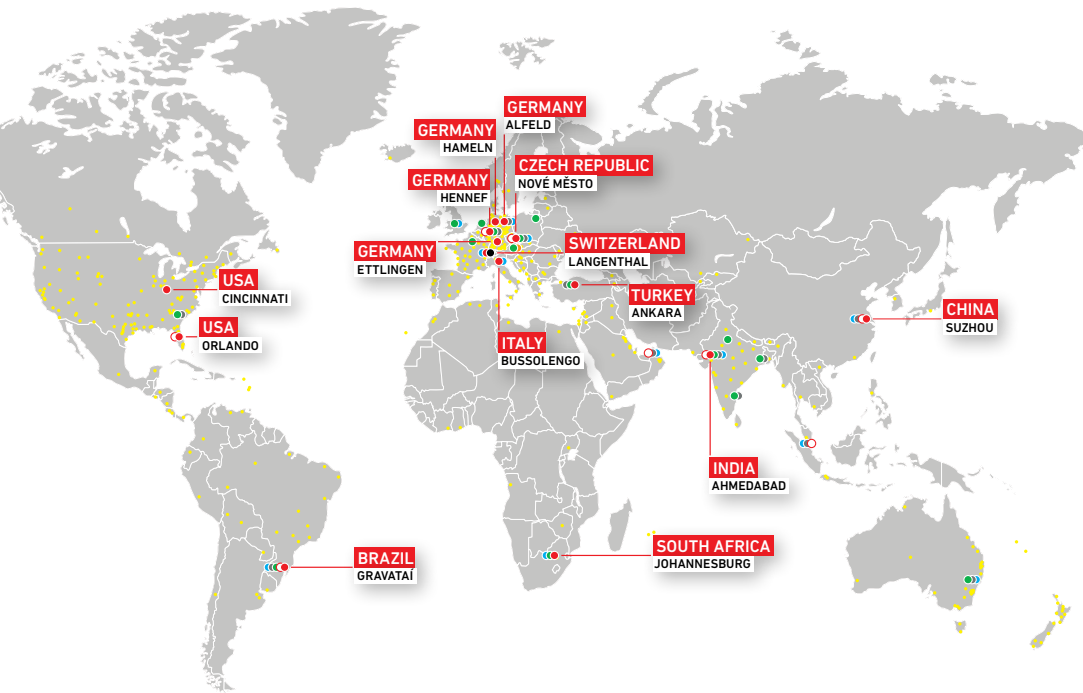
6 months Historic Data Storage / Retrieval on Mobile Application & Web Portal, Data Export to Excel.

PLANT STATUS

Mixer On/Off Status, Skip On/Off Status, Inclined Belt On/Off Status, Plant / Mixer – Running Hour.



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.

GLOBAL DISTRIBUTION & SERVICE NETWORK

- HEADQUARTERS
- REGIONAL SALES OFFICES
- SUBSIDIARIES
- AGENCIES & SALES PARTNERS
- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- GLOBAL RETROFIT CENTRE
- WAREHOUSES
- TRAINING CENTRES

AMMANN INDIA

INDIAN DISTRIBUTION & SERVICE NETWORK

- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- SALES & SERVICE OFFICES
- WAREHOUSES
- TRAINING CENTRES
- DEALER NETWORK



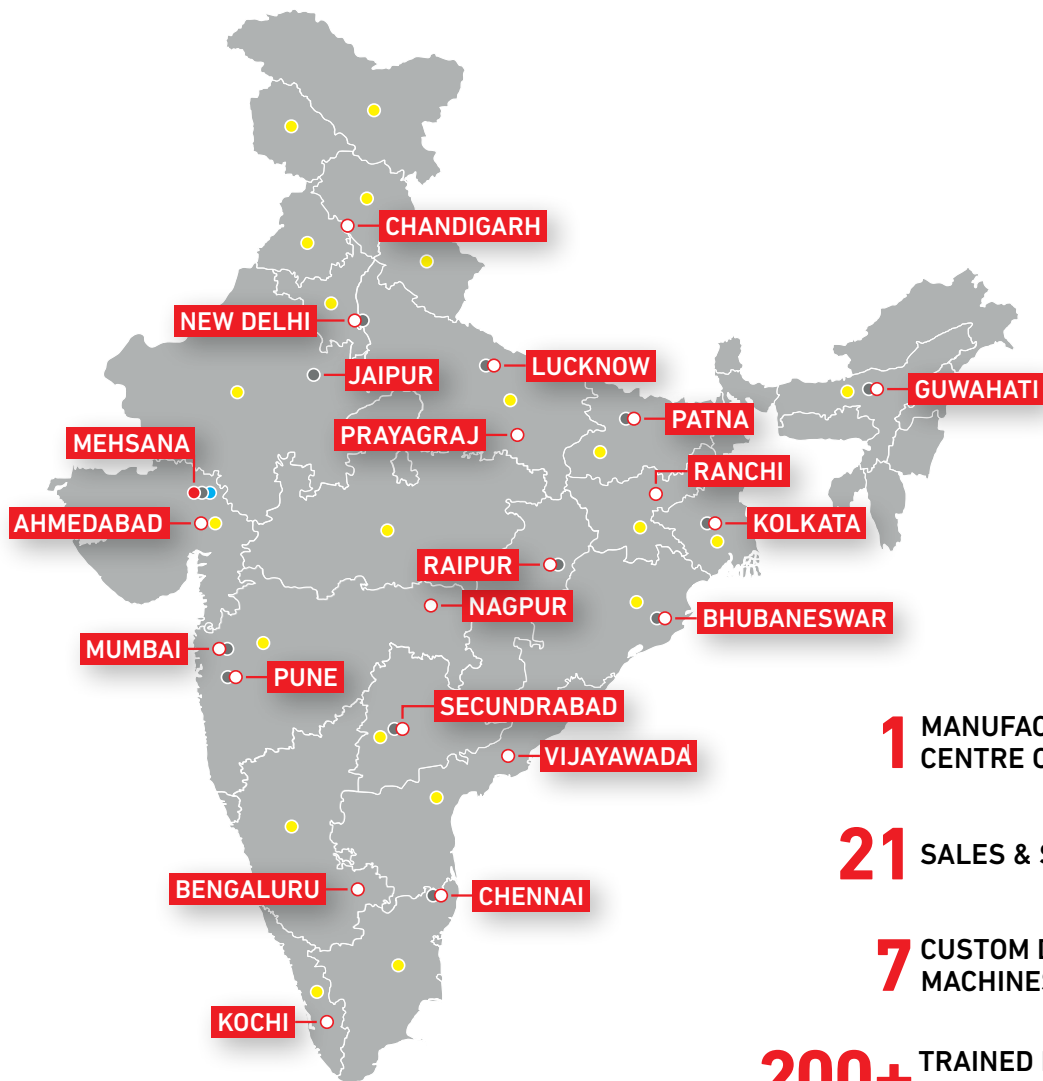
MACHINES

SOIL & ASPHALT
COMPACTORS, PAVERS,
CONCRETE STATIONARY
PUMPS & BOOM PUMP



PLANT

ASPHALT-MIXING PLANTS
CONCRETE-BATCHING PLANTS



1 MANUFACTURING FACILITY & CENTRE OF COMPETENCE

21 SALES & SERVICE OFFICES

7 CUSTOM DESIGNED PACKAGES FOR MACHINES & PLANTS SUPPORT

200+ TRAINED ENGINEERS & TECHNICIANS ACROSS INDIA

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