

CONCRETE BATCHING PLANT ACCESSORIES



AMMANN
ELBA

ABOUT AMMANN ELBA

Ammann ELBA is a global technology leader in concrete batching plants, known for its patented spiral mixing technology and advanced AS1 automation platform. Built on decades of engineering expertise, Ammann ELBA plants deliver consistent concrete quality, operational efficiency, and long-term reliability.

To complement these plants, Ammann offers a comprehensive range of high-quality accessories designed for seamless integration with new and existing batching plants.

These accessories improve plant uptime, material handling efficiency, and operational safety while reducing maintenance requirements.

Why Choose Ammann Accessories ?

- OEM compatibility
- Proven design for heavy-duty applications
- Seamless integration with AS1 automation
- Reliable performance in demanding site conditions



SILOS

HEAVY DUTY WELDED STORAGE SILOS

Application:

- Storage of Cement
- Fly Ash
- GGBS
- Micro Silica

Available Capacities:

- 72 m³ - 100 T cement/ 65 T of Fly Ash
- 108 m³ - 150 T cement / 97 T Fly Ash
- 143 m³ - 200 T cement / 128 T Fly Ash
- 10 T to 50 T of Micro Silica Silo with Extension Legs

Key Features:

- Fully welded robust construction
- Heavy-duty support structure
- Maintenance platform
- Dust filter compatibility
- Designed as per industrial safety standards
- Customization available based on plant layout & customer requirement
- Plate thickness configuration: 5-4-4 mm & 6-5-4 mm (top/ middle/ bottom shell)



SILO ACCESSORIES

FOR SMOOTH SILO FUNCTIONING

Essential silo accessories for safe & reliable operation



Silo Discharge Butterfly Valve:

Controls the discharge of cement from the silo & isolates material flow during screw conveyor maintenance. One for each silo to be installed on the plant. It will be available with manual operating lever.



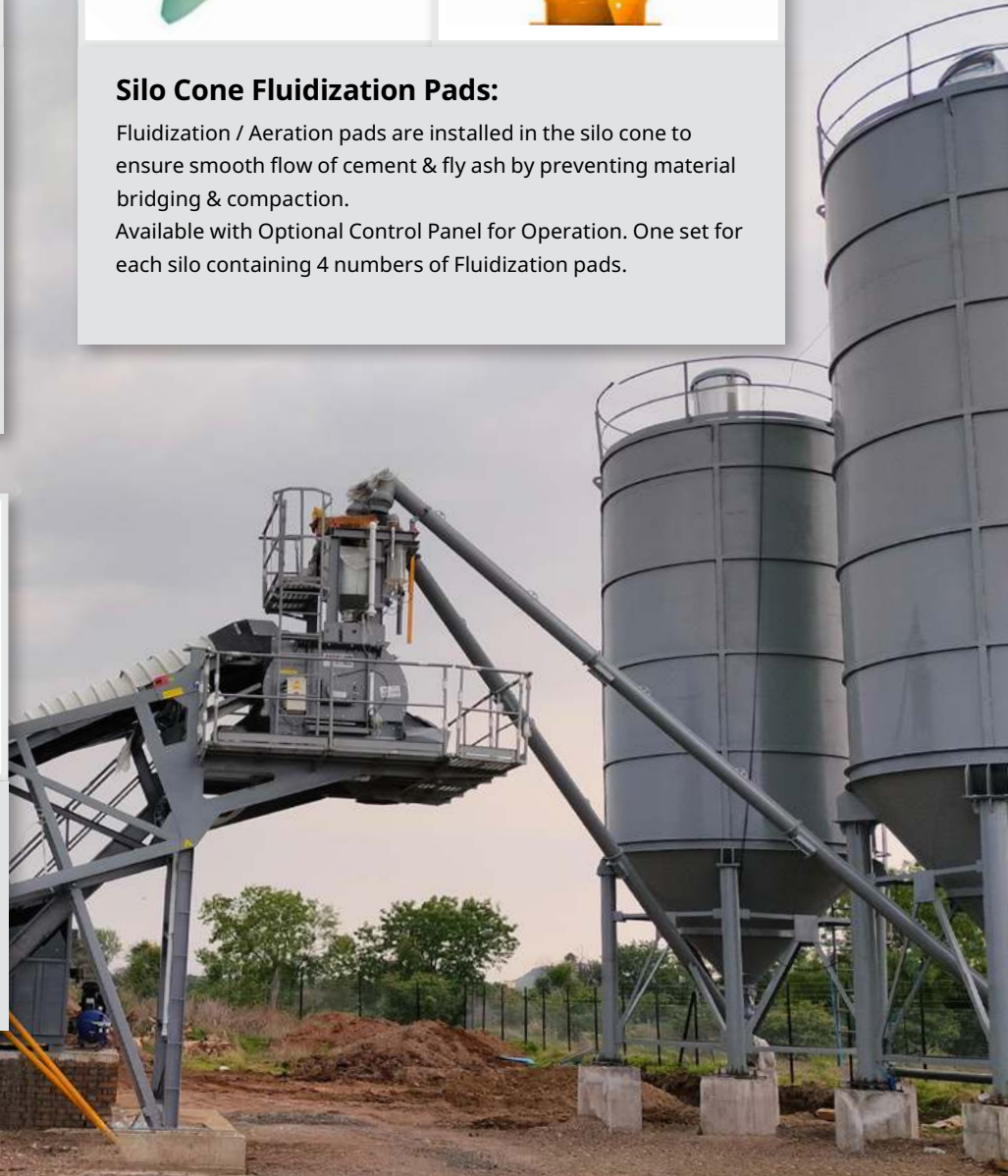
Silo Cone Fluidization Pads:

Fluidization / Aeration pads are installed in the silo cone to ensure smooth flow of cement & fly ash by preventing material bridging & compaction. Available with Optional Control Panel for Operation. One set for each silo containing 4 numbers of Fluidization pads.



Silo Pressure Relief Valve:

A critical safety device installed on top of the silo to protect the structure from over-pressure during filling operations.



SILO DUST FILTERS

PROTECTING ENVIRONMENT

During cement loading, large volumes of air and dust are generated. Ammann silo dust filters effectively capture cement particles and release clean air into the environment.



Top Mounted Dust Collector

The most efficient solution to arrest the Cement & Fly ash dust efficiently - Top mounted Silo Dust Collector

Ground Mounted Dust Collector

A maintenance friendly version of Silo dust collector, access easily from ground, connect multiple silos to one ground mounted dust collector.



Top Mounted Dust Collector



Ground Mounted Dust Collector

Cost effective and easy to maintain solution.

SILO FEEDING SYSTEM

For efficient & complete bulker unloading and feeding cement & cementitious materials, bag & bulker unloading systems are available,

Types of systems available for feeding the silos.



Direct Bulker Unloading System

A highly efficient solution that unloads cement directly from the bulker to the silo, eliminating manual handling and improving unloading speed. This Feeding system use only 1 unit of 37kW (50HP) motor and feed the bulker directly to Silo without any Manual Process Intervention up to 25TPH.

The streamlined design reduces operational complexity, minimizes manpower requirements, and ensures faster unloading cycles. By eliminating manual processes, the system improves safety, reduces spillage, and enhances overall plant productivity.

Dual Silo Feeding System

Designed for sites where cement is supplied in bags as well as bulkers. The system allows manual bag feeding while also enabling direct bulker unloading.

It's dual motors of 22 kW (30 HP) & 37 kW (50 HP) hold the capability to push the cement up to 18 TPH with Manual Feeding and 25 TPH with Bulker Unloading.



AGGREGATE FEEDING CONVEYOR

ROTARY CHUTE TYPE

For feeding of aggregate to compartment bins

Rotary Chute Type Feeding Conveyor

Rotary Chute type feeding conveyors are designed to efficiently load aggregates into compartment bins of batching plant. Best suited for 30 m³/Hr to 60 m³/hr batching plants.

Available up to a capacity of 175 TPH, this is used to increase the raw material handling efficiency, reducing fuel consumption & wear tear of loader.



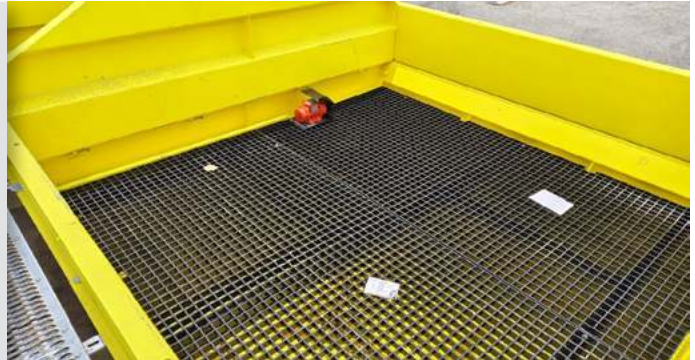
SIEVES

FILTER THE OVERSIZE

Maintain the concrete quality from the start point, filter the oversize aggregates at the beginning.

Sieves for Sand Bin

Heavy Duty Mesh to filter oversize grains of aggregates, for Sand it is available from 45mm x 45mm grid size manufactured from 6mm of flat bar. Interlocking mechanism of grid fitment make it different from what is available in the market. This is optionally available with Vibrators also.



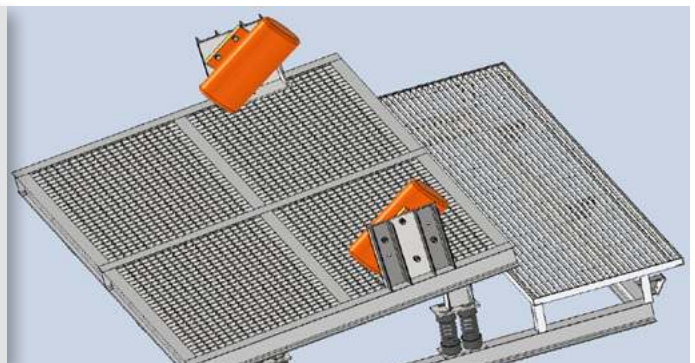
Sieves for Aggregate Bins

Same Grid is available for aggregate bins also with a size for 70mm x 70mm allowing optimal screening of aggregates while maintaining smooth material flow during the loading process. The strong steel construction ensures durability, long service life and reliable performance in demanding site conditions.



Sieves for Aggregate & Sand Bins with Screen

Highest quality of Mesh is available with a design of self cleaning vibrating screen. Mesh is mounted on springs, and vibrators generate controlled oscillations to keep the mesh clean & prevent blockage. Oversize aggregates fall on the ground with vibrations, eliminating any manual efforts on it.



Sieves for Inline / Compartment Bins



PIPELINE FOR CONCRETE PUMPS

TRANSPORT THE CONCRETE

Pipeline for Concrete Pump

100m Pipeline kit to transport the concrete from stationary pump to the place of pouring.

Both ERW and Seamless Pipeline kit is available with suitable Bends & Elbows, Pipeline clamps, Clamp Seals, End Hose, and Cleaning Ball.

100m Pipeline kit will contain following components

Item	Component Description	Qty	Unit
1	Pipe 125x4-3000	30	No.s
2	Pipe 125x4-2000	4	No.s
3	Pipe 125x4-1000	2	No.s
4	Elbow 90 Deg. DN 125X4.5 R-1000, Big	2	No.s
5	Elbow 90 Deg. DN 125X7.1 R-500, Short	2	No.s
6	Elbow 60 Deg. DN 125X4.5	2	No.s
7	Elbow 45 Deg. DN 125X4.5	2	No.s
8	Sealing Ring DN 125	38	No.s
9	Hose Clamp Cup-tension DN 125 (F)	36	No.s



PNEUMATIC ACCESSORIES

MAKE YOUR PLANT BREATHE

Silo accessories work efficiently with proper air transportation pipe and connectors. Below pneumatic accessories are available to meet pressurized air transportation needs.



PU Pipe

Pneumatic Pipe for easy transportation of pressurized air from air compressor to various solenoids, valves, actuators and cylinders. This pipe is available in various diameters from 8mm to 12mm



Pneumatic Connectors

Various types of Pneumatic Connectors are available required for fitment or while routing the pipe / joining the pipe for an uninterrupted flow of air.



Pneumatic
Connectors
Straight / Tee

Pneumatic connectors are available in Straight connection threaded / Tee Connection / Push type connection and any further variety of it on request.



SCREW CONVEYORS

BATCHING CEMENT EFFICIENTLY

For accurate dosing and quality concrete production, cement & cementitious materials shall be conveyed to plant efficiently. Tubular screw conveyors help in making this possible, and below screw conveyors can meet your conveying needs.

Screw Conveyors

Available in Various diameter options to suit all plants capacity for Cement / Fly Ash / GGBS / Micro Silica and Alcofine

Micro Silica Screw Conveyor

- 219mm x 6000mm
- 273mm x 6000mm

Available Lengths & Diameters (Standard)

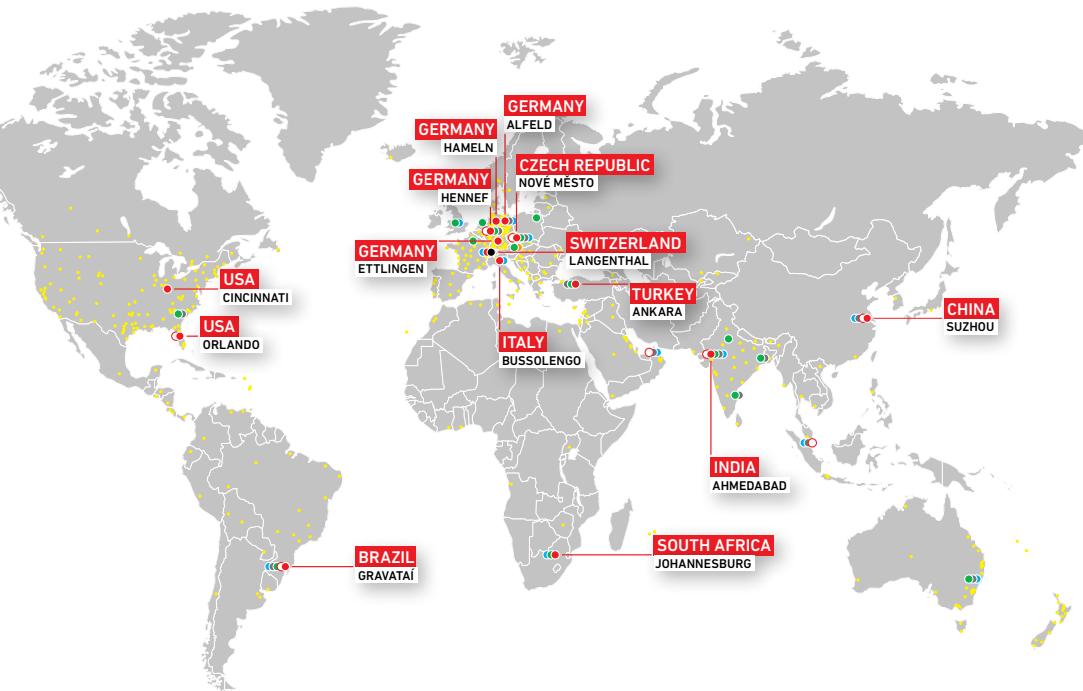
Cement / Fly Ash / GGBS

- 168mm x 10000mm
- 219mm x 10000mm
- 273mm x 10000mm
- 323mm x 10000mm (On Demand)

Customized lengths up to 12m are also available.



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 Compaction

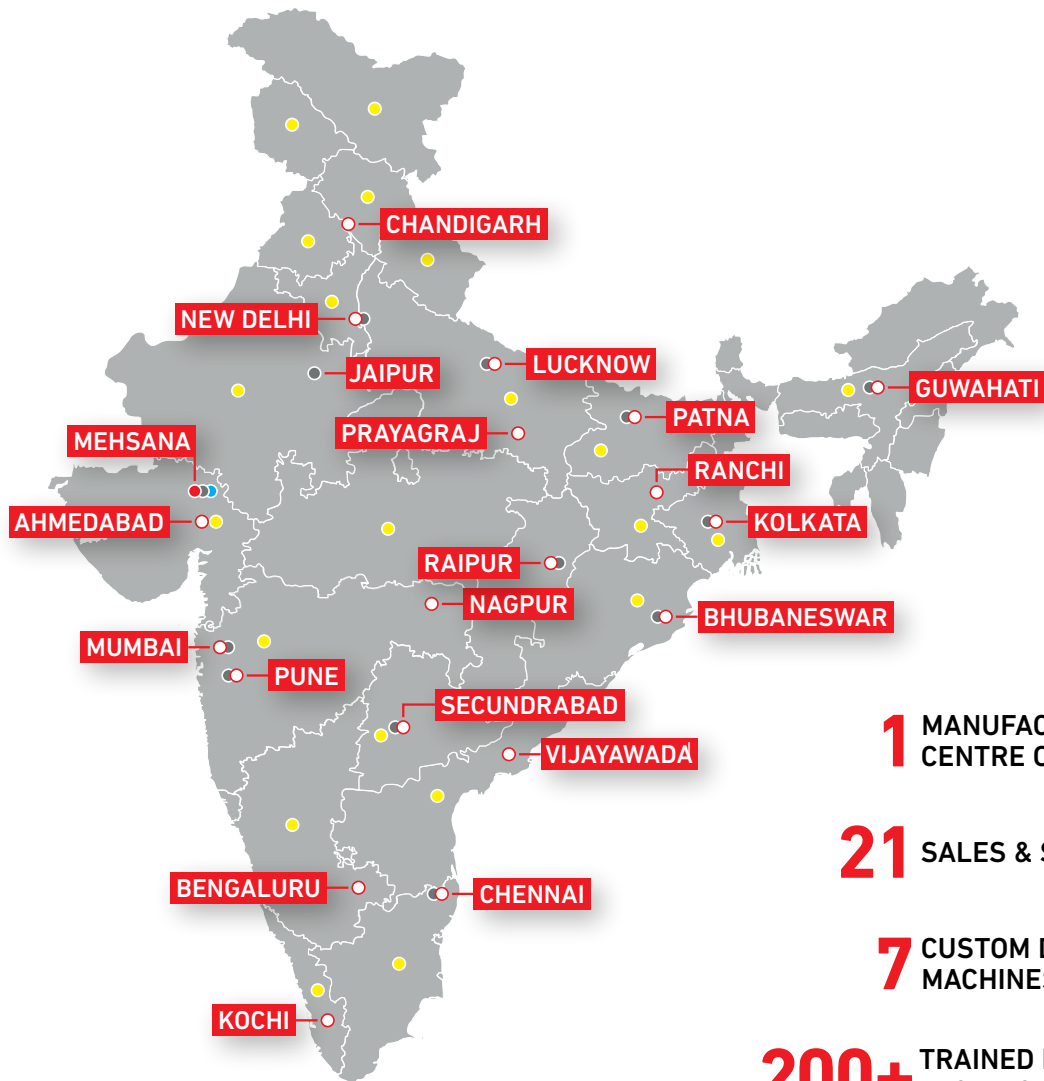
Asphalt Pavers



Plants

Asphalt-Mixing plants

Concrete-batching plants



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DITASAN



AS1 CONTROL SYSTEM

AS1 PCS INNOVATIVE CONTROL TECHNOLOGY AND END-TO-END DIGITALISATION WITH REAL TIME CONTROLS.



HIGHLIGHTS OF AS1 PCS (PROCESS CONTROL SYSTEMS)

- Clear overview: plant operation is simple and safe
- Precise dosing: dynamic self-learning (Auto-Correction) overrun correction function
- Highly accurate Water / Cement ratio: Automatic consistency control
- Recycled water: Dynamic recycled water addition up to 100 %
- Flexibility of Recipe (Quality Standards): Each recipe can be controlled according to the EN consistency standards or the Ammann consistency standard.

STANDARDS

System is preloaded with EN 206,
DIN 1045 & IS 4926 2003 clause 9.1.3

REAL TIME OPERATING SYSTEM (INTIME RTOS)

Real Time Controllers helps in processing, facilitating Data Exchange & Plant Control without any Time lags, Processing Time and delay due to PLC scan times

CONSISTENTLY HIGH MIX QUALITY

- Ongoing humidity measurement throughout the mixing process
- Automatic overrun correction for dosing processes
- Automatic consistency control with recipe-specific control parameters

ADVANCE REPORTS

- Raw material component statistics
- Batch protocol and batch summary protocol
- Production and component statistics
- Component Consumption Comparison
- Object-Oriented Event counter report of Plant Operation
- Operating unit report for straight forward plant documentation

DIAGNOSTIC TOOLS FOR TROUBLE SHOOTING

- Integrated tools for fieldbus diagnosis
- Recording tool for digital and analogue signals
- Professional hotline support via integrated remote maintenance access

SPARE SYSTEM OPTION FOR ORDER PROCESS

USER FRIENDLY FEATURE FOR OPTIMIZED OPERATIONS

- Calibration assistant for all material weighing units.
- Calibration assistant for various humidity measuring sensors
- Detailed Parameterisation options to optimise the plant

THE DIGITAL FUTURE

- Electronic data exchange with customer 's ERP systems
- Configurable PlantX data interface (REST-based)
- Software service for data exchange with cloud-based

COMPREHENSIVE DATA STORAGE AND MANAGEMENT

- Detailed logging and a full-scale statistics package
- Integrated material management tool
- Structured browser-based document archive

CUTTING-EDGE TECHNOLOGY

- Microsoft Windows 10 IoT operating system
- Microsoft SQL database
- Real-time subsystem
- Ethernet-based PROFINET fieldbus system

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.

PLANT STATUS

Mixer On/Off Status, Skip On/Off Status, Inclined Belt On/Off

Status, Plant / Mixer – Running Hour.

HISTORIC DATA & DATA EXPORT

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

ON-DEMAND REPORTS

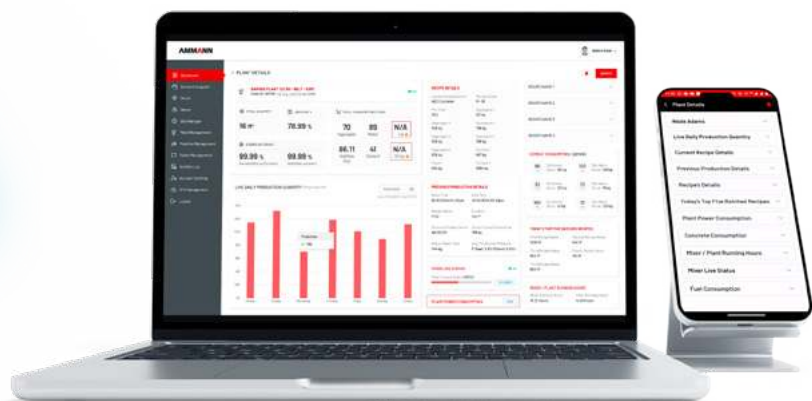
PDF Batch Weights Reports (Production Protocols), PDF Production and Material Consumption Reports (by Date Range & by Recipe), PDF Single Line Batch Reports, Error / Alarms Reports (Live Alerts for Critical Alarms).

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



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