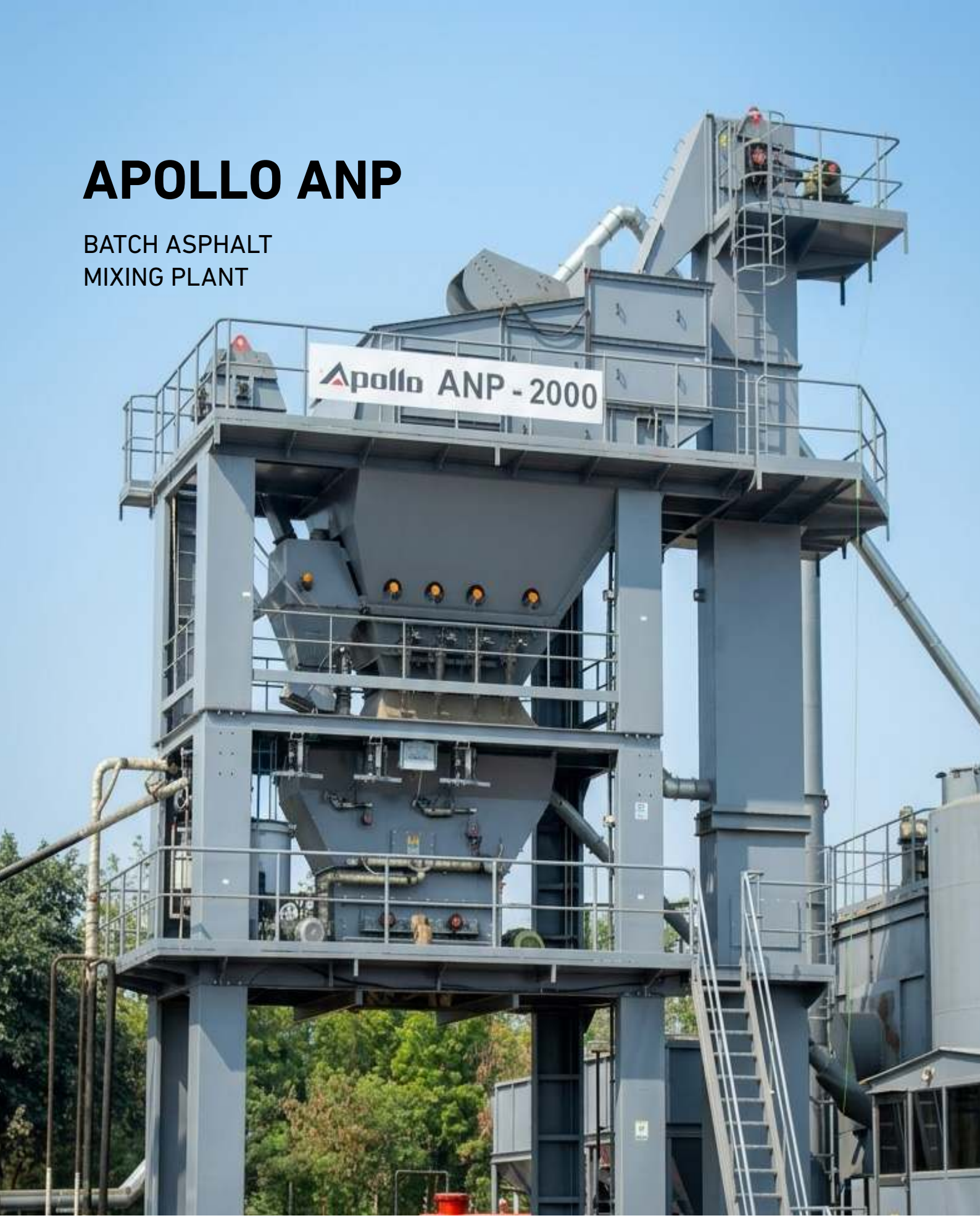
APOLLO ANP

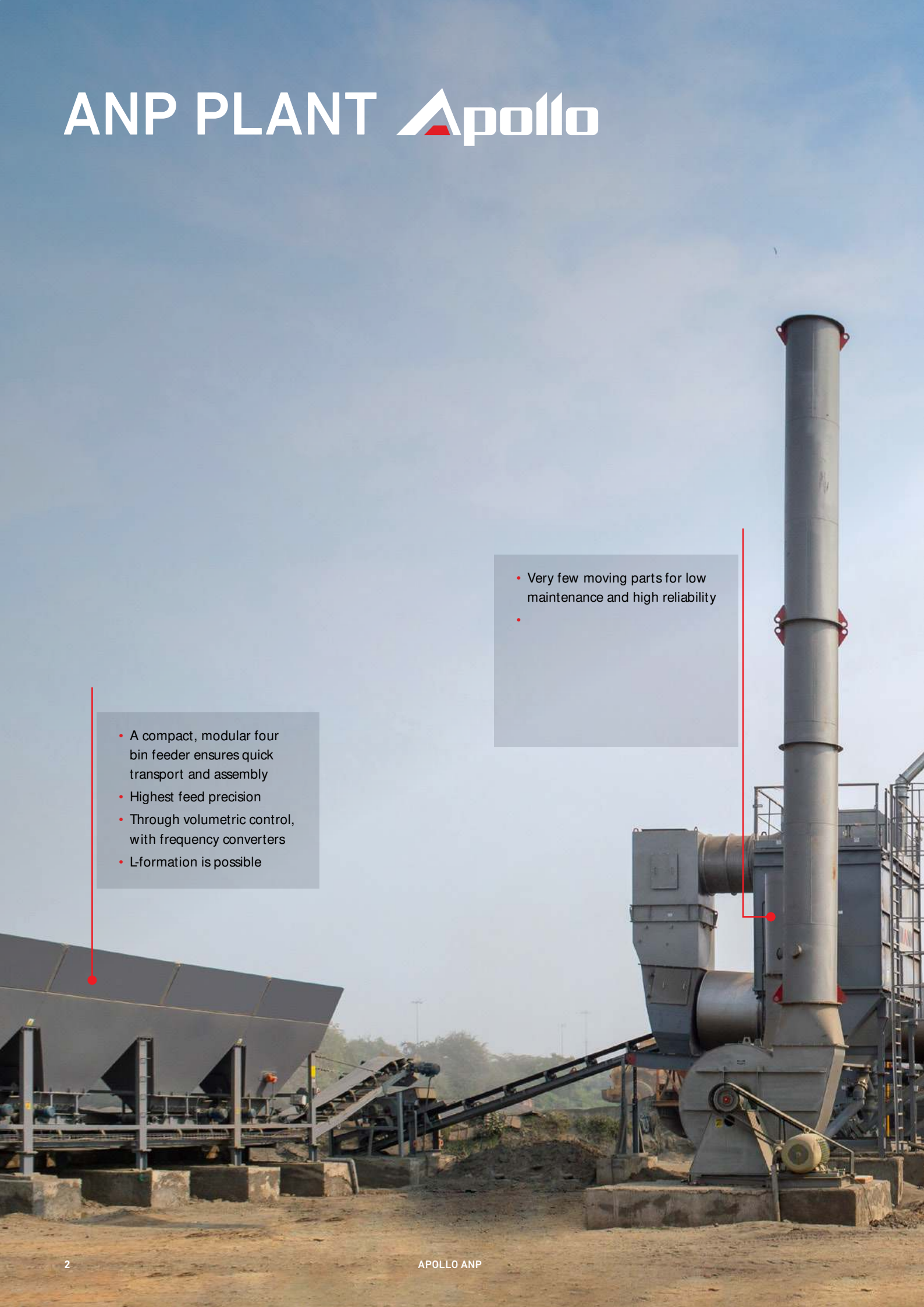
BATCH ASPHALT
MIXING PLANT



AMMANN

Apollo

ANP PLANT Apollo



- Very few moving parts for low maintenance and high reliability
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- A compact, modular four bin feeder ensures quick transport and assembly
- Highest feed precision
- Through volumetric control, with frequency converters
- L-formation is possible

> REDUCING YOUR TOTAL COST OF OWNERSHIP AND BOOSTING YOUR PROFIT.

DRYER DRUM

The dryer internals, the flame room and the lifters are designed to avoid sticking of wet materials in the feed zone, to optimise combustion conditions, and to provide excellent heat transfer conditions in the radiation and convection zones

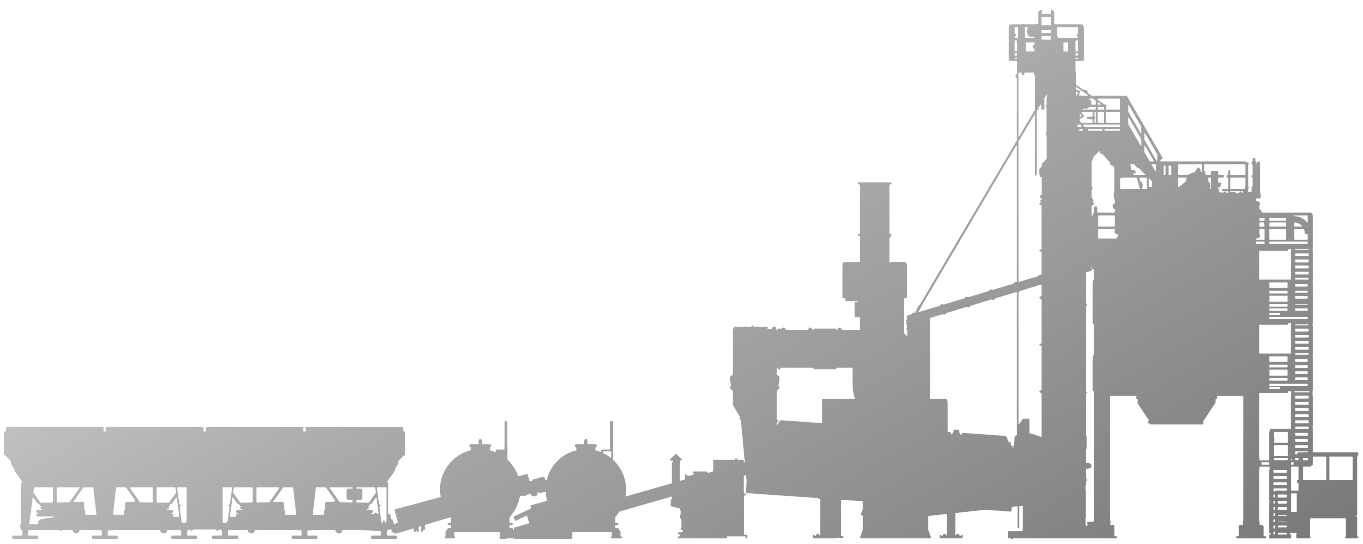
With / without

4 TYPES OF ANP PLANTS

APOLLO ANP SERIES ASPHALT-MIXING PLANTS ARE BUILT WITH CUSTOMER-FOCUSED TECHNOLOGY THAT IMPROVES THE PROFITABILITY OF YOUR BUSINESS.

The batch plant is ideal when numerous varied mixes are required – and accurate proportioning and homogenous blending are needed, too.

High quality mix is delivered with the help of an easy-to-calibrate, rugged, multipoint weighing arrangement. A heavy-duty pug mill mixer and carefully designed, intuitive controls also enable quality.



VERSION 1

NEW GEN PLANT WITH AS1 CONTROL

EXPERIENCE INNOVATION IN ASPHALT PRODUCTION WITH AMMANN INDIA'S ANP APOLLO NEW GEN PLANTS, FEATURING THE CUTTING-EDGE AS1 CONTROL SYSTEM. ELEVATE EFFICIENCY AND PRECISION IN EVERY BATCH, SETTING NEW STANDARDS IN ASPHALT MIXING EXCELLENCE.

BENEFITS

- Direct coupled gear motors in Auxiliary, Gathering, Slinger, Trunnion roller, Filler screws
- New Gen plant comes with a Y chute arrangement for Foreign filler and Reclaim filler

OPTIONS

- Waste plastic attachment
- RAP 25 % attachment
- Solid addition (SMA)

In ANP New Gen Plant Dryer Drum, The mineral mixture of the pre-metering will be dried in a direct-fired drum and heated to the temperature required for further processing. The drum works according to the counter flow process, it means that the mineral mixture runs against the flame propagation.The charging of the drum is usually carried out by a feed belt.The drum tube is inclined rotational movement is generated with motor driver rollers.

Hub and conveying blades provides the loosening and movement of the mineral by the preheating, evaporation and heating zone to the drum outlet. The drum designed in such a way that heat will be transferred by means of conduction, convection and Radiation.

Monoblock, multi fuel liquid burner fires through pilot flame for safety and reliable operation. This burner is having highest

AS1 CONTROL SYSTEM

Microprocessor control for the operation, control and display of the complete Ammann scope of delivery, storage of recipes, plant parameters and production and operational data.

The complete asphalt mixing plant including its measured values can be displayed on the screen image specific to the customer, corresponding to the material flow. This assures at any time an overview of all plant components. The plant control processes all dynamic operations of the asphalt mixing plant in real time and displays them on the monitor. Above this, it shows all status changes within a few milliseconds which enables the operator to intervene immediately, if necessary.

Consisting of proven modules, the software will be configured specific to the plant and includes extensive

In addition to our state-of-the-art ANP New Generation asphalt batch mix plant, we are proud to offer HMI (PLC) control solutions.With our HMI control system, we provide our customers with enhanced functionality, precision, and e ciency in managing their asphalt production processes.

HMI (PLC)

The operating statuses are visualized in a simple form. All operations and displays are performed in real-time. Messages and warnings to the operator and any faults on the plant are signaled acoustically and visually to enable an immediate intervention by the operator, when necessary.
All status changes and operating states in the control process are displayed. The plant controller controls and monitors the weighing and mixing process fully automatically.

VERSION 3

LEGACY PLANT WITH HMI (PLC) CONTROL

EXPERIENCE SEAMLESS OPERATION AND ENHANCED EFFICIENCY WITH THE HMI (PLC) CONTROL SYSTEM INTEGRATED INTO OUR ANP APOLLO.

SCADA (OPTIONAL)

The production and operational data are registered in the extensive production statistics where they are processed and can be printed out. Provision remote access to our experts can quickly diagnose problems and remedy them or transfer software-updates.

If HMI control system is not working the plant can still operate on SCADA.

POLLUTION CONTROL UNIT

DRYING DRUM

The ANP Legacy Asphalt Plants are renowned for their high e ciency and low maintenance Drying Drum. The field proven flights together with an additional amount of drying volume places the ANP drying drum in its own class.

The special drying flight design, ensures the highest thermal transfer e ciency by allowing specifically designed flights to transfer the heat by radiation, convection and conduction, transferring uniform heat to all different sizes of aggregates.

The drum features a unique air preheat system, which improves drying e ciency, aid power saving, reducing the thermal stresses on the drying drum and noise emissions from the burner.

RAC

The RAP addition system is designed to incorporate Reclaimed Asphalt Pavement (RAP), which can be in the form of crushed or milled material, into the mixing process. This process, known as RAC Cold addition, involves adding the RA material without prior heating. Up to a maximum of 25% (with 3% moisture) can be added in this manner. The system includes a RAC bin feeder equipped with a special feeder to prevent material sticking, along with body and top screen vibrators, all controlled by a VFD. Additionally, there's a RAP Belt elevator with drive, head and foot station, an extra platform, and a Cold RAP feed device directly feeding into the mixer.

BATCHING TOWER

Fully enclosed inclined linear vibrating screens with high quality vibrating screen cloth, contribute to top notch performance. The inclined linear vibrating screen is provided with duplex spring absorbers, and is powered with two numbers of six-pole maintenance free vibro motors. The free-floating design prevents any vibration from being transferred to the weighing scales. A wider platform with easy access eases the maintenance of the screen.

Highly reliable weighing system with low maintenance load cells and an easy calibration system makes the ANP series highly popular with the site engineers and plant operators.

The 3D mixer unit is the heart of the ANP plants and has a large live zone, realizing a quick and even mixing of asphalt. The mixer unit is hot oil jacketed and supplied with a low-maintenance oil-bath type chain drive. The paddles, arms and tips are made of wear resistant high nickel hardened cast alloy steel. The reversible design of the mixer internals ensures a

TECHNICAL SPECIFICATIONS

PLANT TYPE	NEW GEN	LEGACY

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