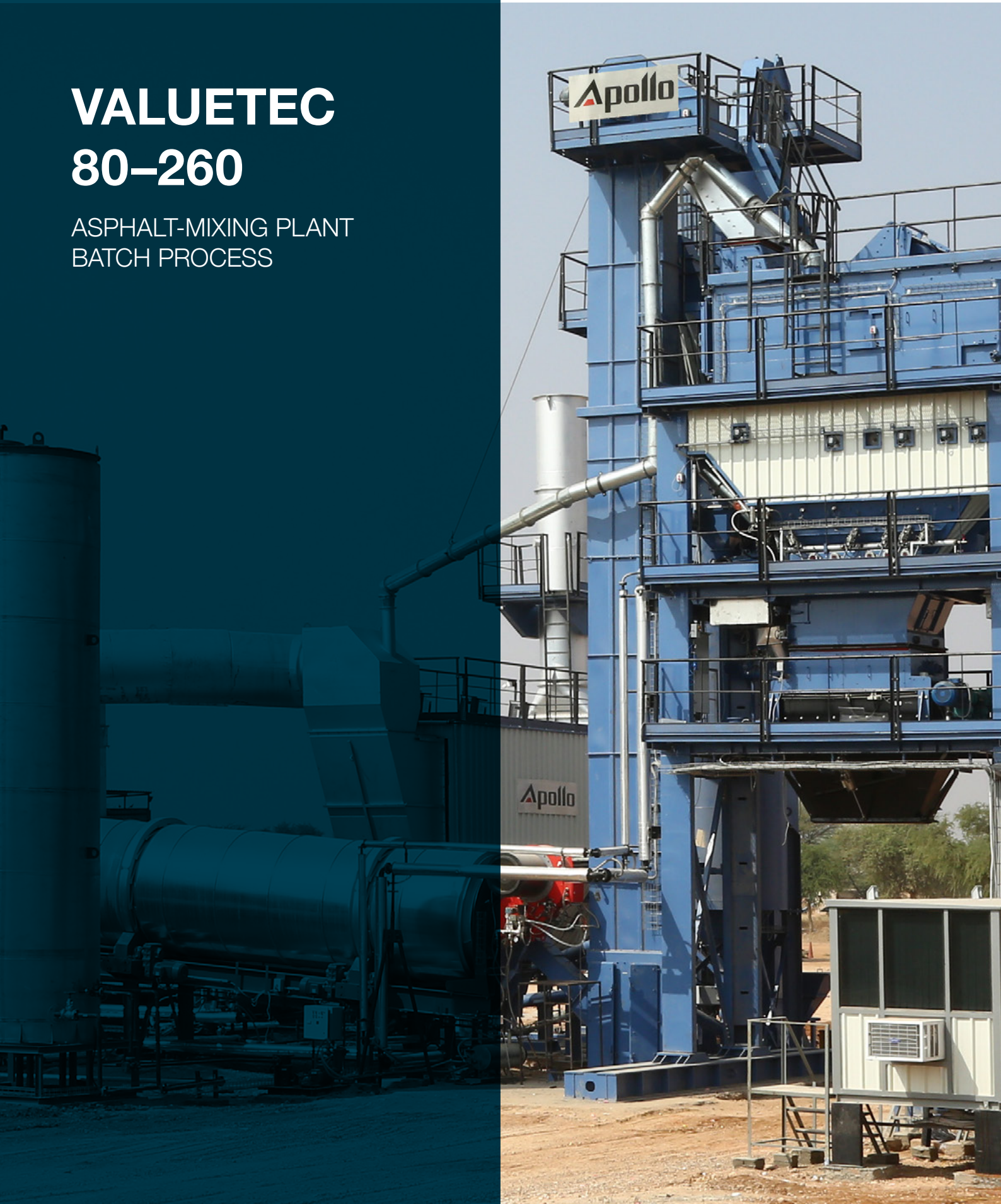




VALUETEC 80-260

ASPHALT-MIXING PLANT
BATCH PROCESS

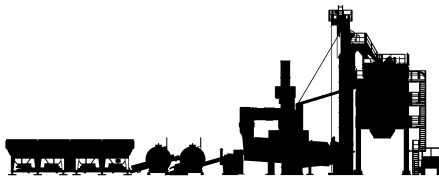


VALUETEC 80–260

ASPHALT-MIXING PLANT – BATCH PROCESS

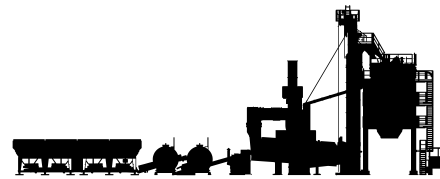
The ValueTec plants are efficient, productive and ideally suited to business owners who want straightforward processes and the ability to further customise with options. The plants can range from very basic to much more advanced, depending on your needs.

All plants utilise the intuitive CS100 Control System, tried and tested in the world's toughest environments. The system provides efficiency during production and also delivers built-in statistical reports to uncover even more cost-saving opportunities.



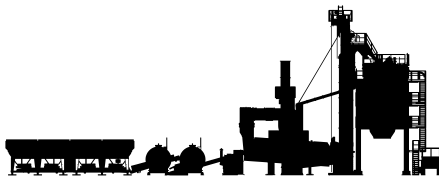
VALUETEC 80

Mixer size: 1.2 t
Capacity: 80 t/h



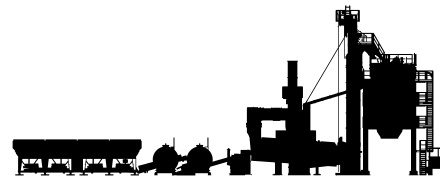
VALUETEC 140

Mixer size: 1.7 t
Capacity: 140 t/h



VALUETEC 180

Mixer size: 2.2 t
Capacity: 180 t/h



VALUETEC 260

Mixer size: 3.3 t
Capacity: 260 t/h

AMONG THE FEATURES AND BENEFITS OF VALUETEC ARE:

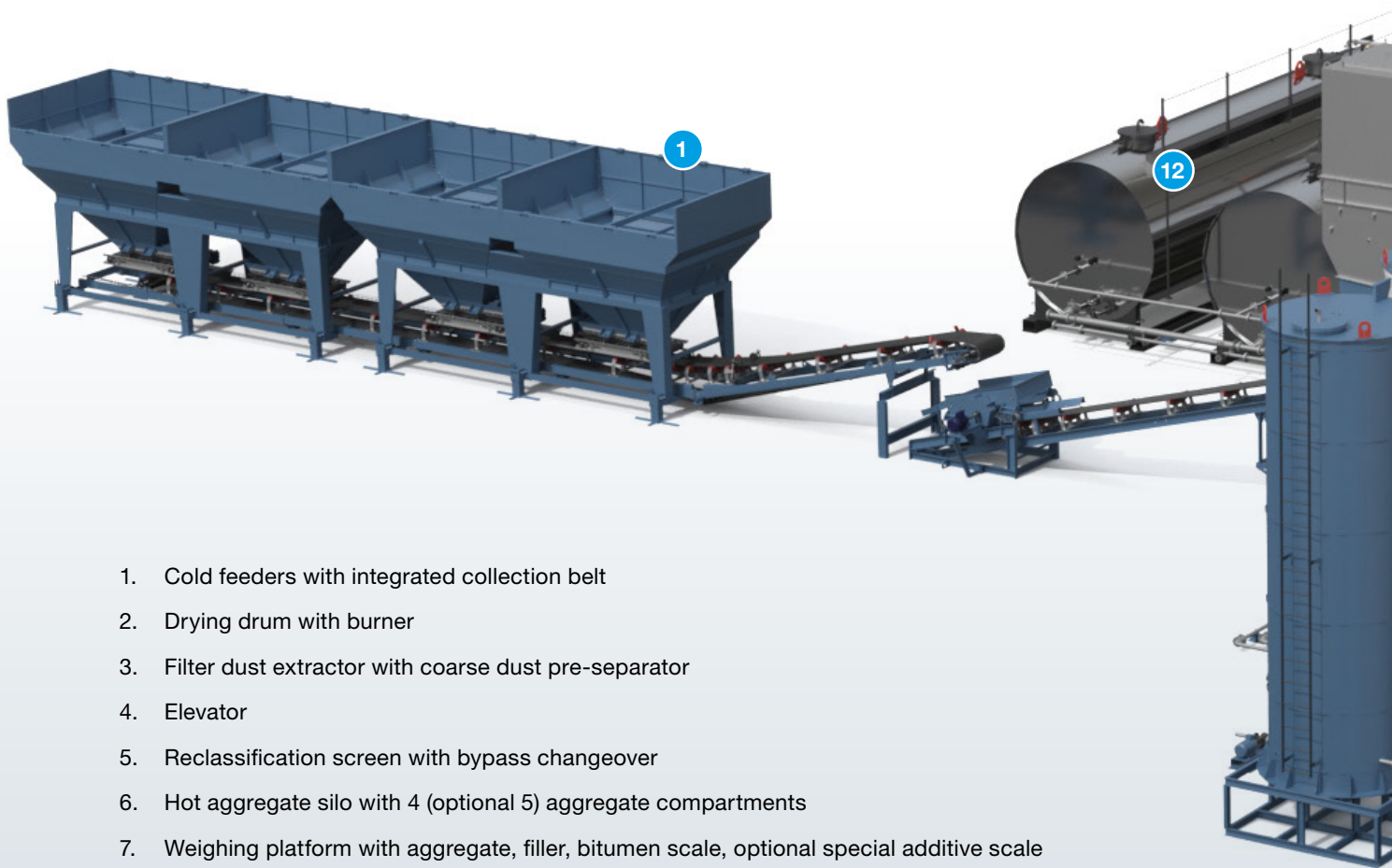
- The lowest product life cycle cost of all plants in this segment.
- Fully modulating burner with simple and easy to adjust mechanism to set air to fuel ratio for efficient combustion and pollution control.
- Direct coupled geared motors at most places that reduce fuel and maintenance costs.
- A screen that uses robust vibratory motors, enabling uniform distribution of aggregate on the screen mesh surface.
- An efficient burner and baghouse that ensure suspended particulate matter (SPM) levels are within limits and the carbon footprint is minimal.
- High safety standards to protect plant personnel.
- A future-ready design that enables the seamless addition of upgrades.
- Remote assist that is available at any location in the world.
- Customised options that include utilisation of 25 per cent to 40 per cent RAP, a foam mix option for the production of energy-saving warm mix, and capabilities for liquid and solid additives that enable the customer to adjust mixes to a specific design.



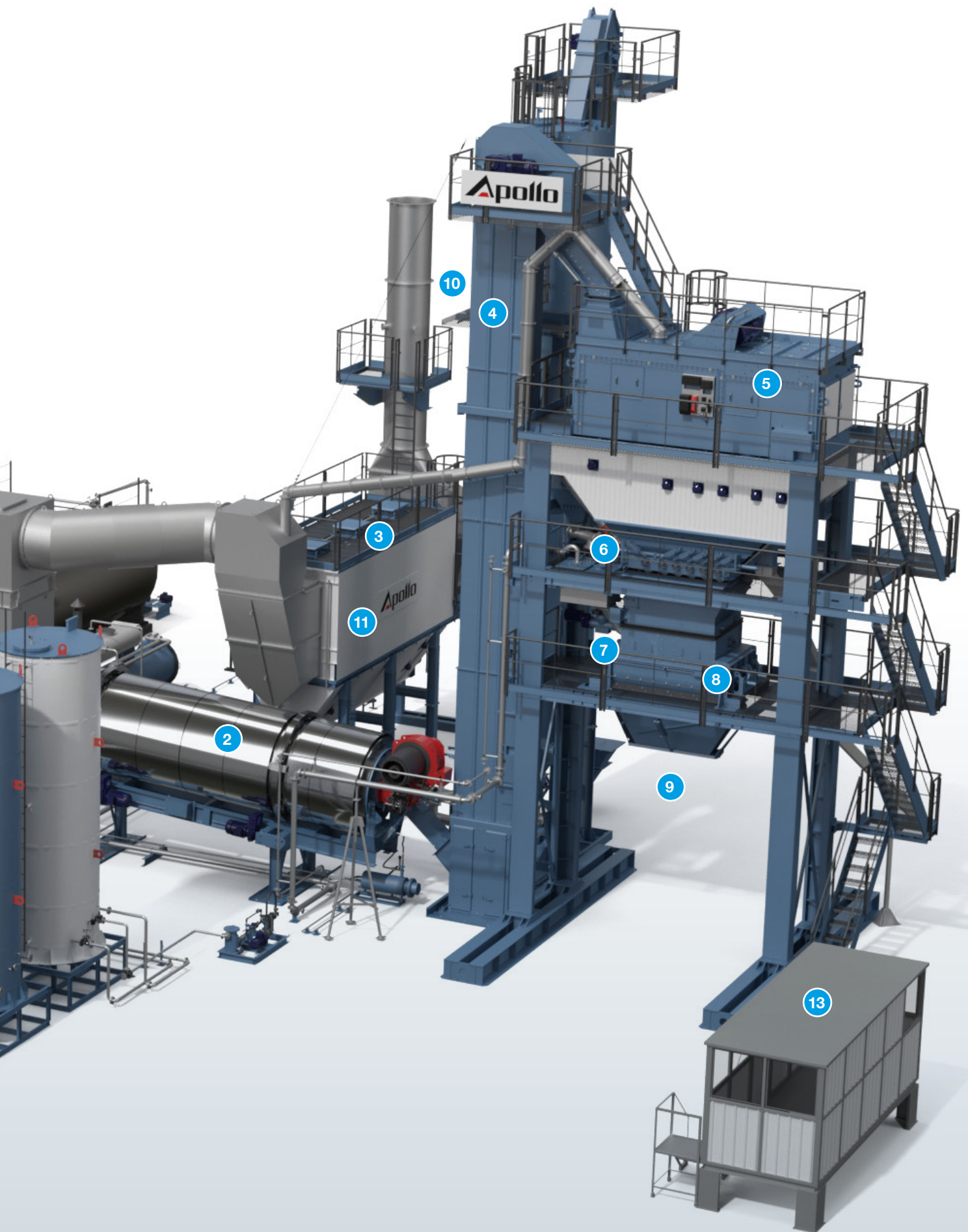
**APOLLO
VALUETEC
ASPHALT-
MIXING
PLANTS OFFER
THE LATEST
TECHNOLOGY
AT AN
AFFORDABLE
COST.**

PLANT OVERVIEW

ValueTec plants include standard batch plant essentials while incorporating new design principles that help set them apart from the competition. Customers are able to purchase a very basic, straightforward plant and select options to develop a much more sophisticated version if they choose. The small footprint of the plants help them fit no matter where they're installed.



1. Cold feeders with integrated collection belt
2. Drying drum with burner
3. Filter dust extractor with coarse dust pre-separator
4. Elevator
5. Reclassification screen with bypass changeover
6. Hot aggregate silo with 4 (optional 5) aggregate compartments
7. Weighing platform with aggregate, filler, bitumen scale, optional special additive scale
8. Mixing platform with twin-shaft paddle mixer
9. Truck loading (direct from mixer or hot-mix storage silo)
10. Filler silo tower for reclaimed and imported filler
11. Reclaimed filler storage
12. Thermal oil-heated bitumen tank system
13. Control cabin with control system

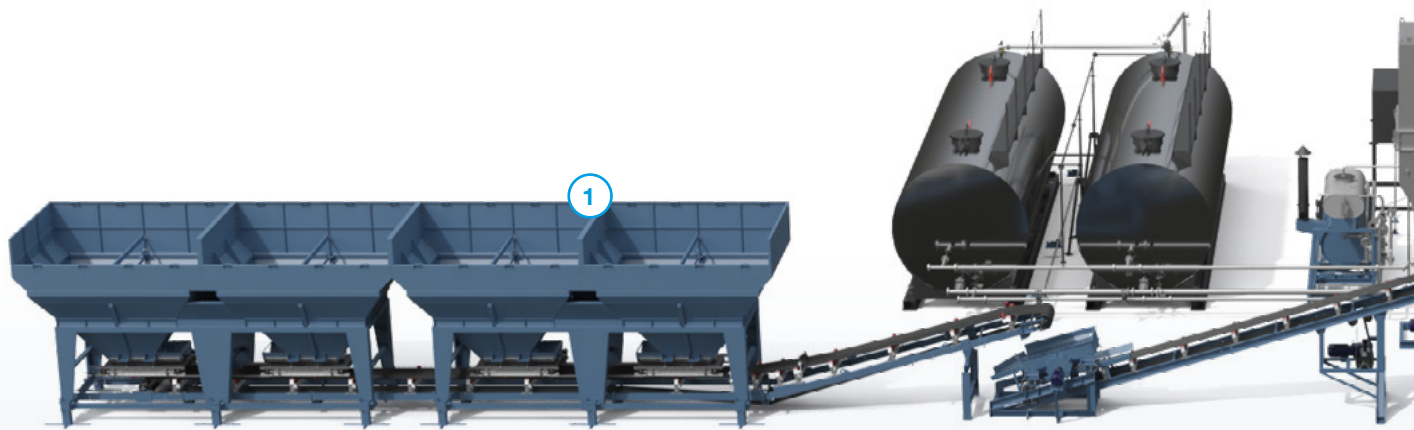


CORE ELEMENTS

EVERYTHING FROM ONE SOURCE

① PRE-FEEDERS

A compact, modular four/five-bin feeder ensures quick transport and assembly. The quality of mix is consistent from the feed stage thanks to a larger storage capacity. Frequency controlled conveyers extending to the drum inlet chute ensure hassle-free delivery. A simple, effective calibration system also provides essential support. A low tipping height eliminates the need for construction of expensive ramps. Instead, a loader can be used with a small ramp. Direct coupled geared motors minimise maintenance.

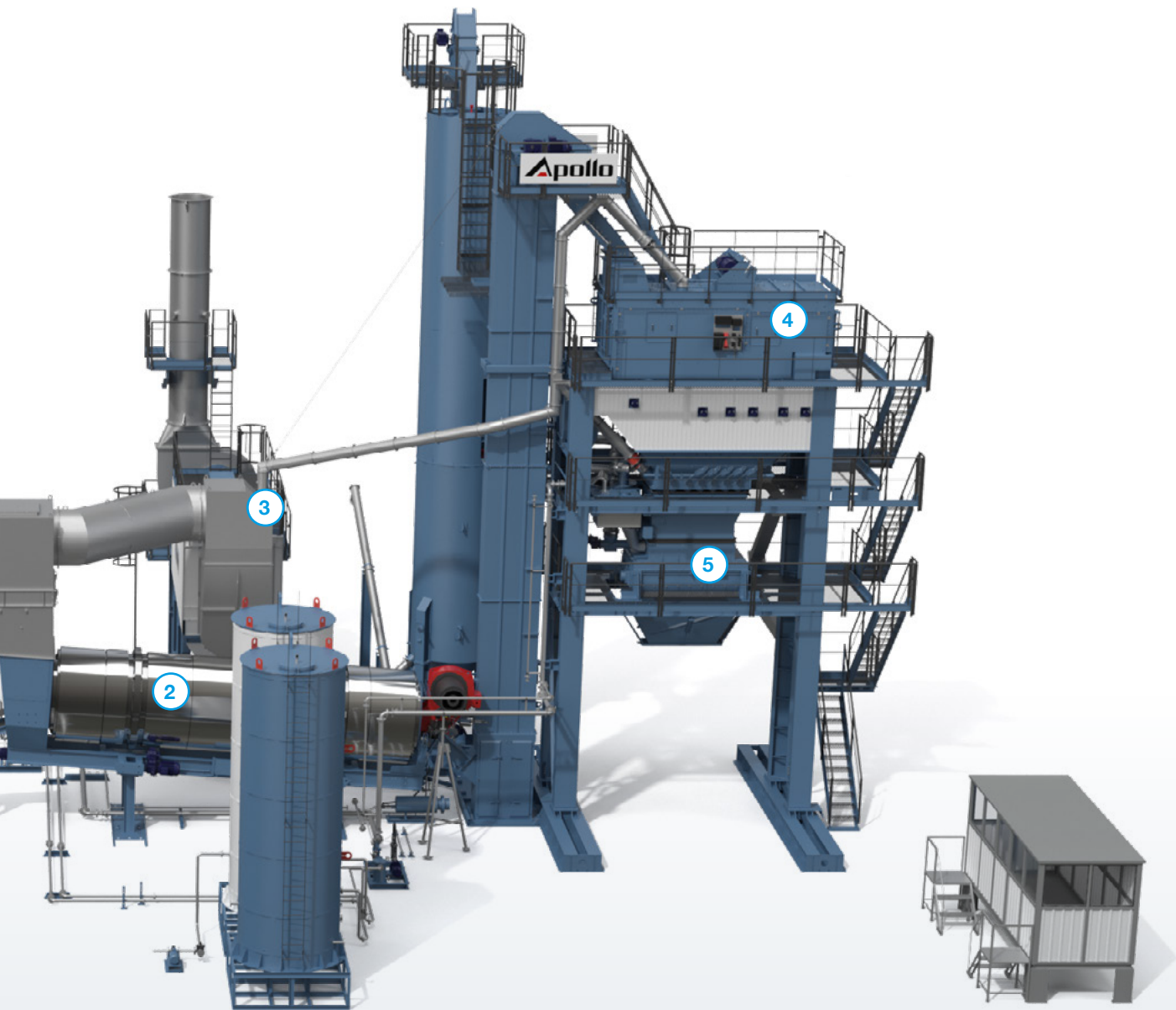


② DRYING DRUM

The plant's technology includes built-in knowledge regarding CO₂ emission reduction. The counterflow dryer drum is compact, efficient and reliable. Its optimised lifter design ensures efficient heat transfer and unobstructed flame for efficient combustion. The drum utilises four friction drive-through shaft-mounted gear motors. Properly sized dryer rings feature robust leaf supports. An optional insulation system helps overcome extreme cold.

③ FILTER

ValueTec plants provide efficiency with the help of the baghouse filter. The large filtration area and filter bag material ensure global emission standards are met. A properly engineered pre-separator captures coarse dust. The efficient reverse airflow cleaning system is a proven process. The direct-driven, variable speed exhaust fan makes the filter efficient and compact. The filter bags are made from heat resistant material and required strength and permeability for efficient operation. Optional insulation is helpful in cold climates.



④ SCREEN

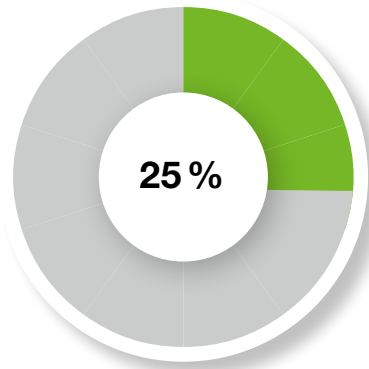
ValueTec plants' screening ensures high performance and exceptional grading accuracy. The vibrating screen, built to international standards, ensures reliable and efficient classification of aggregates. The standard four-deck design, with an option to have five compartments, accommodates most road recipe mixes. Maintenance is minimal because of a special mesh clamping system, best-in-class deck access and free, unbalanced motors.

⑤ MIXER

Circular material movement and transverse transport between the two shafts ensure thorough mixing at an extremely high level. Mixing is fast and consistent, too, thanks to the twin-shaft paddle mixer with mechanically synchronized gear drives and the optimised design of paddle arms and tips. Best-in-class wear results from the superior design and proper metallurgy.

RECYCLING SOLUTIONS

Recycling and the use of RAP is a necessity today. ValueTec plants offer custom-made recycling solutions. Their use of modern technology ensures high-quality mix, even when using RAP.

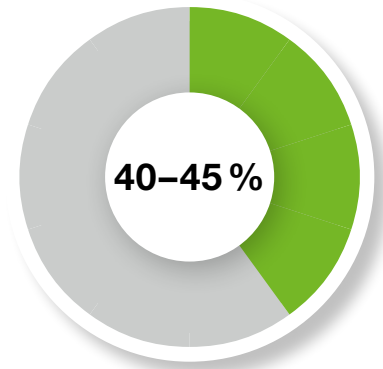


**COLD RECYCLING
UP TO 25 %**



BENEFITS

- An independent process
- Screening of virgin aggregates
- Batch quantity can be adapted with each load
- Maximum flexibility in recipe



**WARM RECYCLING
UP TO 40-45 %**



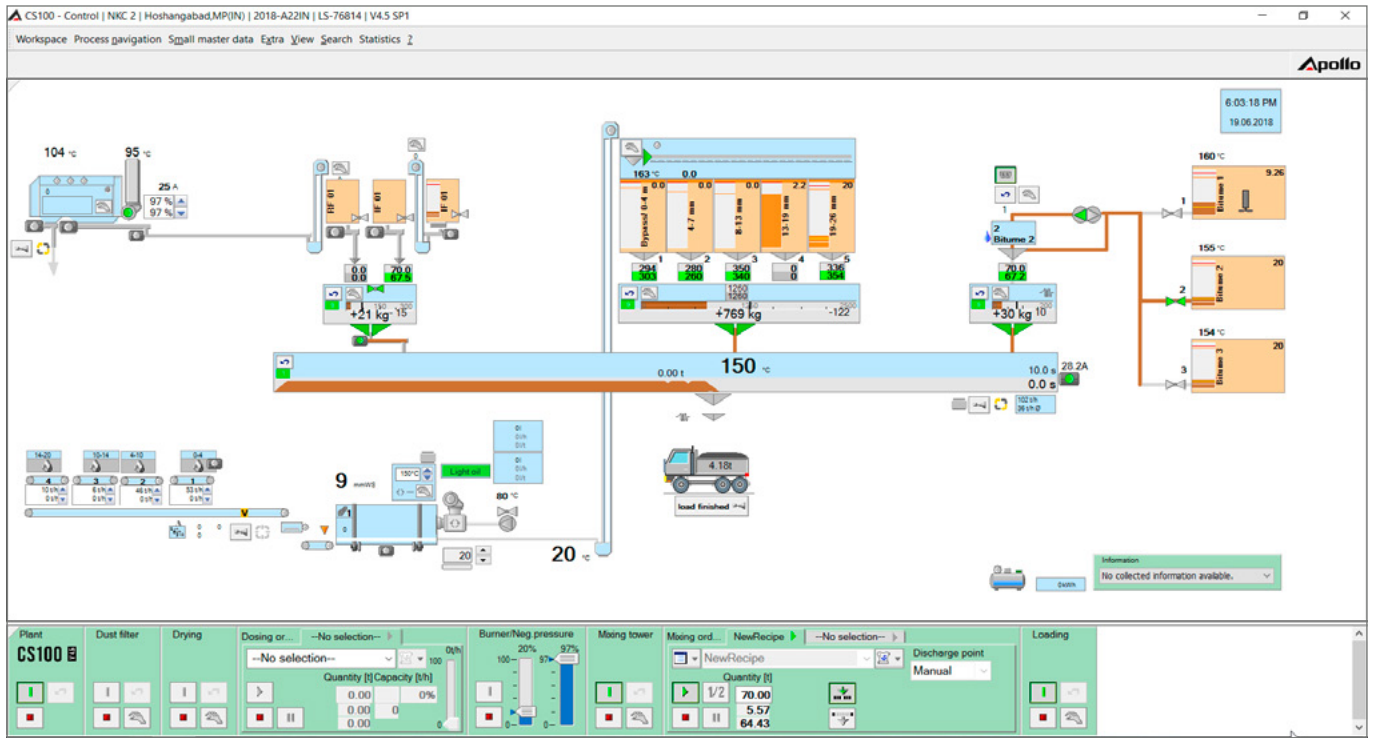
BENEFITS

- Processes RAP up to 40-45 %
- Efficient processing of virgin aggregates

CS100 CONTROL SYSTEMS

RELIABLE AND EASY TO OPERATE

The CS100 is a future-oriented control system that resulted from an exhaustive in-house research and development process. It combines Apollo's proven process engineering with the latest software technology.



The CS100 controls the entire hot asphalt production process. Operators are comfortable with the system because of its dynamic plant view and display of key operating values. The user-friendly CS100 makes it easy to operate the plant and monitor essential functionalities, parameter optimisation, calibration, easy recipe handling and diagnostics. The system's intuitiveness makes it simple to learn without extensive training, so even inexperienced operators can safely run it.

The CS100 provides a detailed production protocol, day reporting and a variety of statistics regarding operation, productivity and component consumption. The protocols and predefined statistics can be automatically converted into a PDF and systematically archived.

The system's hardware has been designed and tested for use in tough environments. The proven field bus system and rugged industrial PC ensures a reliable plant process signal exchange. Faults can be detected efficiently and rectified through diagnostic tools.



AFTER SALES

COVERING ALL NEEDS

Contracted maintenance services and technician training provided by Ammann India help protect your investment, while operator training ensures your team is able to utilise all the features and benefits built into your plant. When your needs change, Ammann offers retrofit options that can provide you with a good-as-new plant at a low cost.

PUT AMMANN INDIA EXPERTISE TO WORK

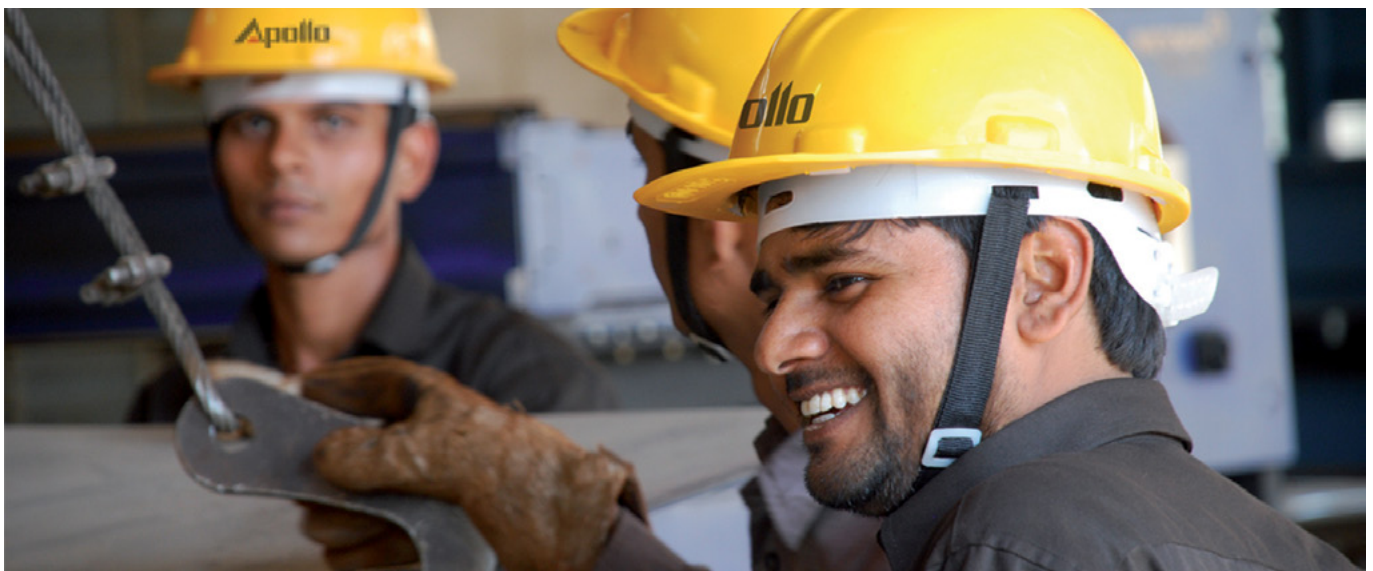
Ammann India offers service packages that ensure all maintenance is up to date, making your plant efficient and also protecting it from premature wear that can result from poor service practices. A variety of technical service packages are available. Or, if you prefer, an Ammann India representative can visit your plant and together you can develop a plan that perfectly fits your needs.

VALUE AND AVAILABILITY

Ammann India parts provide the best value over the life of your plant. The parts are built to last and have a longer life than low-cost products on the market. Ammann India parts also are a perfect fit for your plant, enabling other components to run more efficiently and last longer. Availability is another key Ammann India focus. The Ammann India logistics team recently overhauled stocking centres and processes to ensure the most essential parts are always nearby.

READY WHEN YOU ARE

Ammann India experts are ready to assist you in emergency situations 24 hours a day, seven days a week. The help line team is highly trained and experienced. Representatives can talk you through the challenges – in many different languages – with a remote connection to your system that will minimise the troubleshooting time.



TRAINING

AMMANN INDIA ACADEMY

Over the years, road construction equipment manufacturers have provided the equipment to build and maintain the world's infrastructure. As technology changed, so did the equipment, increasing the ability of the user to perform more efficiently.

Developments in equipment technology have altered the job specifications and requirements. In order to stay up-to-date with these changes, Ammann India Academy (AIA) brings you the training courses for Fresh and Experienced youngsters. These programs will enhance the employment opportunities with certification by Infrastructure Equipment Skills Council (IESC). (For more details, log on to www.iescindia.com).

BASIC TRAINING

This course helps to use the Employment Opportunity for Fresher and who are helpers to become Junior Operator by learning production sequence, processes and safety of Road Construction Equipment. Instructors also explain the Equipment's components and their functions as well as proper operation and basic maintenance and the control system for the Equipment.

ADVANCED TRAINING

Operators who want to move beyond the basics and get promoted to the next level or get Employment opportunities as Senior Operator enroll in AIA Advanced training. This course provides detailed overviews of Road Construction Equipment operation Safety and parameter settings, maintenance and troubleshooting, also the importance of the control systems software integrated into the Equipment.



TECHNICAL SPECIFICATIONS



PLANT TYPE	80	140	180	260
Continual plant capacity at 3% moisture**	80 t/h	140 t/h	180 t/h	260 t/h
Number of cold feeders	4–5	4–5	4–5	5–6
Content cold feeders	8 m ³	12 m ³	12 m ³	15 m ³
Drying Drum: diameter / length	1.6 m / 5 m	1.8 m / 7 m	2 m / 8 m	2.3 m / 9 m
Drum drive	4 × 4 kW	4 × 9.5 kW	4 × 11 kW	4 × 15 kW
Burner power output	7 MW	10 MW	14 MW	18 MW
Fuel types	Light or heavy oil			
Filter capacity	20 000 Nm ³ /h	28 000 Nm ³ /h	37 000 Nm ³ /h	57 000 Nm ³ /h
Filter surface	200 m ²	420 m ²	483 m ²	724 m ²
Screen width / length	1.2 m / 3 m	1.5 m / 3.6 m	1.5 m / 3.6 m	1.8 m / 4 m
Screening	4- or 5-fraction	4- or 5-fraction	4- or 5-fraction	5- or 6-fraction
Screen surface	13 m ²	20 m ²	20 m ²	33 m ²
Hot mineral silo	16 t	29 t	29 t	56 t
Aggregate scale	1200 kg	2500 kg	2500 kg	4155 kg
Filler scale	200 kg	300 kg	300 kg	456 kg
Bitumen scale	150 kg	200 kg	200 kg	264 kg
Mixer size / max. content*	1.2 t	1.7 t	2.2 t	3.3 t
Bitumen tank capacity	15 m ³ , 30 m ³ or 50 m ³ – Horizontal – Thermic oil heated			
Fuel tank capacity (light and heavy oil)	18 000 l, 24 000 l – Vertical – Thermic oil heated for heavy oil			
Filler supply	Reclaimed and imported filler silos			
Hot mix storage silo capacity	50 t (one compartment)	45 t (one compartment)	45 t (one compartment)	100 t (two compartments)
Recycling addition	up to 25 % (cold RAC)	up to 40–45 % (cold + hot recycling)	up to 40–45 % (cold + hot recycling)	up to 40–45 % (cold + hot recycling)
*The improved addition of filler and bitumen into the mixer increases mix efficiency of 85 batches per hour.				
**Hot mix production capacity based on following conditions: 10 % bitumen and filler addition, input moisture of aggregate 3 %, aggregate temperature increase 150 K and 0/2 fraction share max. 40 % Cycles per hour: 85.				
Per Apollo's policy of constant upgradation of products, specifications are subject to change without prior notice.				

OTHER OPTIONAL ITEMS

- Burner: suitable for natural gas
- Additives: Fibre granulate or Flux (liquid)
- Insulation package
- Warm asphalt (foam bitumen)



Apollo





For additional product information
and services please visit:

www.apollo-equipment.com

Specifications are subject to change.
Photographs are for illustrations only and shows
some features which are optional.
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