Ciber | European Debut for the iNOVA 2000 Continuous Mobile Asphalt Mixing Plant

At Bauma, and for the first time in Europe, Ciber is presenting the iNOVA 2000 mobile continuous asphalt mixing plant for the global market. This model has the highest production capacity in the iNOVA line, which was first launched in 2017. With technologies that offer logistical benefits, low production costs and a low environmental impact, the iNOVA 2000 is a leading product in countries such as Australia and New Zealand, as well as being a market leader in Latin America and Africa.

With a production capacity of up to 200 t/h, the plant consists of only two mobile units, resulting in low transportation and installation costs. With the help of moisture sensors, the individual weighing system for the different aggregates used ensures materials are dosed accurately in a continuous flow. The counterflow dryer for aggregates features automatic speed variation and thereby provides an optimal heat exchange between aggregates and combustion gases, thus minimizing fuel consumption.

The robust filtration system ensures the lowest environmental impact during production. To assure maximum mix quality, the mixer is external to the equipment, with high shear, a dry initial stage (without the binder) and automatic control of the mixing time, as per project requirements. The plant’s operation is fully automatic, ensuring high process reliability. The fault diagnosis system and highly durable wear elements increase equipment uptime.

AutoSmart

For full integration and total plant management, the AutoSmart package establishes instantaneous communication between the metering, drying, filtering, and mixing systems so that it can anticipate the action to be taken by these systems, resulting in a process that can be automatically adjusted to achieve optimum production conditions. This feature offers many benefits, including less dependence on operator skills, and automates manual processes that are susceptible to errors, such as the measurement of moisture in aggregates, both before and during production.

Fuel Efficiency

The dryer drum used exclusively for aggregates, the Ciber Total Air burner, the exhaust system that adapts to demands, and the exclusive smart drying system assure low fuel consumption. The air burner electronically assures a perfect relationship between air and fuel, optimizing the combustion system and increasing thermal efficiency.

Adaptive, Demand-Controlled Exhaust System

The exhaust extraction speed automatically adapts to the momentary production requirements, providing a perfect thermal balance in the system. The dryer’s rotation speed also varies automatically, ensuring the perfect thermal exchange between the aggregates and the plant’s thermal system, regardless of the characteristics of the aggregates, which significantly reduces fuel consumption.

High Performance with Special Mixes

The external pug mill mixer with a dry homogenization stage between the aggregates and additives and automatic control of the mixing time result in a state-of-the-art continuous flow mixer. This provides the necessary robustness and flexibility for the production of any type of asphalt mix and assures highest quality.

Optimized Maintenance

The digital fault diagnosis system systematically monitors all the plant’s motors and draws on online information to ensure that it always operates at maximum efficiency. The wear components, especially mixer paddles and bag filters, are highly durable owing to the process and material characteristics. The result is a consistently high plant utilization rate.

Ease of Operation

The plant’s production process is fully automated and features a touchscreen console for entering production data and adjusting the flow. The operator’s cabin is air-conditioned and has ergonomically designed and intuitive controls for the production process that make the operator’s work easier.

*About Ciber*

With a modern factory located in the city of Porto Alegre, Brazil, Ciber Equipamentos Rodoviários, founded in 1958, pioneered the development of mobile continuous asphalt mixing plants. Ciber has been part of the Wirtgen Group since 1996. For markets that use continuous and batch processing, Ciber complements the asphalt mixing plant portfolio as the sixth Wirtgen Groupproduct brand. Depending on their particular needs, Wirtgen Group customers can choose batch production asphalt mixing plants from Benninghoven or continuous production plants from Ciber and rely in both cases on sustainable solutions from the technological leaders in their fields.

Images:

  
CI\_iNOVA\_2000\_Bauma\_01

Ciber’s iNOVA 2000 continuous mobile asphalt plant is making its European debut at Bauma 2022.



CI\_iNOVA\_2000\_Bauma\_02

The iNOVA 2000 consists of only two mobile units, resulting in low transportation and installation costs.

  
CI\_iNOVA\_2000\_Bauma\_03

Ciber’s continuous mobile asphalt mixing plants assure high quality and low operating costs.

*Please note: the photographs shown here are only previews. If you wish to publish them in other media, please download the higher resolution (300 dpi) versions from the Wirtgen Group websites.*

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