

CASE STUDY

**Weightron's Triple
Weighbridge
Management System
Installed in Breedon's
new Ammann ABA
260 UniBatch asphalt
mixing plant**





01

A comprehensive triple weighbridge management system, supplied by Chesterfield-based Weightron Bilanciai, is playing an important role at Breedon Group's new energy-efficient asphalt plant in Mansfield. As part of Breedon Group's corporate Sustainability Strategy, one of their stated aims is to reduce the impact of their operations on the environment. At the heart of the new £6.7 million operation is Ammann's ABA 260 UniBatch* asphalt plant and Breedon believe this is the most modern and sustainable asphalt mixing plant to be installed anywhere in the UK in 2022/23.

02

The three pit-mounted, 18 x 3.5 metre Eurodeck heavy-duty 50 tonne weighbridges are installed underneath the three main filling hoppers. The fully weld-sealed stainless steel CPD-M digital loadcells connect back via rodent proof cables to three individual touch screen DD700 weight terminals in the control room.

Weightron's scope of supply also includes a versatile traffic management system, comprising, large LED message boards, traffic lights, ANPR (Automatic Numberplate Recognition) camera and snap-shot overhead cameras. The local control of the complete system is managed by Weightron's powerful Winweigh IV software, which integrates directly with the Ammann as1 control system on the Breedon network. The database is programmed to store critical vehicle data including numberplate details, tare weights and haulier.

03

Drivers arriving at the truck holding area use the intercom phone to check in. Details of the vehicles are then displayed on the large overhead screen showing which weighbridge they should go to. Large electronic display boards above each weighbridge advise drivers which bin to pull under for their required load. Entry-exit to the weighbridges is controlled via traffic lights. Instead of using individually weighed compartments, load out of the finished asphalt products takes place directly over the three weighbridges. The wider 3.5 metre decks allow vehicles to fill from either of the twin loading points above each weighbridge. After filling the system also takes a snapshot of the completed load. The ANPR camera at the exit kiosk identifies the loaded vehicles and initiates the printing of the weighbridge ticket.

This combined weighing and traffic management technology streamlines the weighing/loading process and, together with Breedon's electronic proof-of-delivery ticketing system, ensures drivers do not need to leave their vehicles at any point.



*The design of the Amman system allows Breedon to utilize up to 50% recycled asphalt planings (RAP) in some of the mixes and can produce lower-temperature warm and cold-mix asphalts as well as the more traditional hot mixes and stone-mastic asphalts (SMAs).

If you are looking for a new weighbridge management system, contact our team to speak with our local sales managers.

www.weightron.com

sales@weightroncb.co.uk

Freephone: 0800 019 77 19

Key Services



WEIGHBRIDGES



**SOFTWARE &
AUTOMATION**



**INDICATORS &
ELECTRONICS**



**SERVICING &
MAINTENANCE**



**THE INDUSTRIAL
WEIGHING SPECIALISTS**



**INDUSTRIAL
SCALES**

Get in Touch

SALES

For new and existing customers interested in new equipment.

Call: 0808 196 0906

Email: sales@weightroncb.co.uk

Serving customers throughout the UK with dependable, high performance weighing solutions, we're here to help you improve accuracy, efficiency and operational control. Speak to our team today.

HEAD OFFICE

Chesterfield Trading Estate
Titan Works
Bridge Way
Chesterfield
Derbyshire
S41 9QJ

WELLINGTON BRANCH

Unit 4B
Westpark
Wellington
TA21 9AD