WEIGHBRIDGE SYSTEMS
EURODECK SB

WEIGHTRON BILANCIAI
BILANCIAI GROUP
INDUSTRIAL WEIGHING SPECIALISTS

TECHNICALLY DRIVEN WEIGHBRIDGE DESIGN

Weightron Bilanciai's model Eurodeck SB is a cost effective yet high performance weighbridge.

The Eurodeck SB is constructed using automated welding techniques and features a structural design concept well proven for optimum strength. For safety the addition of the durbar deck plate provides a skid resistant surface.

A key competitive advantage of the Eurodeck SB is that all critical measuring chain components, including load cells, instrumentation and software are designed and manufactured by the Bilanciai Group. This ensures optimum performance, reliability and integration for the user.

Superior Load Cell Design and Performance

The Eurodeck SB can be supplied with either analogue (CPR) or digital (CPD) stainless steel IP69K Hermetically Sealed Stainless-Steel construction loadcells. (C3, C4 and C5 accuracy). Multi-range versions are also available.

Special mounting assemblies ensure optimum load introduction and performance, even under adverse environmental conditions. These mounting assemblies, together with robust end buffers on the weighbridge deck, prevent damage to the load cells, even under harsh braking conditions.
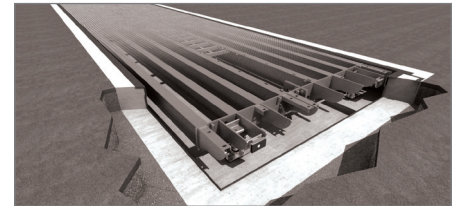
Surface and Pit Mount Designs

The Eurodeck SB is available in both surface and pit mount designs. Key features include:

- Low profile deck
- Automatically welded - optimum strength
- Driver-operated versions
- Guide rails standard on surface models
- Optional steel ramps
- Modular construction - no crane required
- Calibrated Capacity up to 60 tonne
- Wide range of peripherals

Sloping Terrain

Weightron engineers have developed proprietary technology to allow the Eurodeck SB to be used on sloping terrain (gradients up to 1:20). Special load cell mounting assemblies ensure the weighbridge is correctly positioned during operation.

ATEX Certified Versions

The Eurodeck SB can be used in ATEX certified hazardous areas. Both the CPR and CPD load cell are certified for use in zones 1 and 21; 2 and 22 (gases and dusts).

For certain applications, the weighbridge can be supplied with pre-drilled ventilation holes in the deck plate to avoid the build up of gases underneath the weighbridge structure.

Service and Support

Weightron operate a nationwide service and support program to ensure your weighbridge continues to deliver optimum performance and reliability. We offer a range of tailored packages for both our own and other manufacturers' products.

The comprehensive support packages can be configured to cover the weighbridge, load cells, instrumentation, software and associated peripherals. Our factory trained service engineers operate from bases located throughout the UK.

OUR SOLUTIONS HAVE BEEN SPECIFICALLY DESIGNED TO BE EASY TO USE TO HELP YOU MAXIMISE OUTPUT PER HEAD.

VERSATILE INSTRUMENTATION AND SOFTWARE

Weightron offer a wide range of instrumentationand software for use with Eurodeck SB weighbridge installations - all designed and manufactured by the Bilanciai Group.

The product range includes standard weighing instruments, powerful touch screen terminals, driver operated terminals, ticket and tally roll printers and weighbridge software packages. We also offer wireless transmission units, solar and other renewable energy power sources.

DD2050 Driver-operated Colour Touch Screen Terminal

The DD2050 colour touch screen driver-operated terminal provides unrivalled user flexibility and system integration. The true power of the DD2050 can be realised when the terminal is used in combination with Winweigh IV software.

- Fully configurable colour screen
- Easy to use pictograms
- Robust touch screen technology
- Range of smart access technologies
- Read/write RFID, magnetic etc
- Ethernet Intercom
- 1D and 2D barcode readers
- Optional voice activation feature
- Vehicle management capabilities
- Lockable cabinet for security

Standard Instrumentation

The DD700 is a versatile weight indicator featuring a large LCD backlit display.

- Single and double weighing
- Multiple tare store
- Management of access control (barriers/traffic lights)
- Printer compatible

The DD1010 provides a compact, cost effective desk or wall mounted colour touch screen weighbridge terminal, which can be programmed for a range of applications.

- Robust 5.7" colour screen with intuitive pictograms
- Ethernet and optional Wi-Fi connectivity
- Versatile SQL database import/export capabilities
- Twin USB and serial ports and SD card slot
- Onboard data storage and recall

The DD1050 colour touch screen indicator provides a wealth of operational features that can be customised to suit specific weighbridge applications.

- Robust 10" colour touch screen
- Can be used with Weightron Connect software
- Intuitive pictograms
- 4 USB Ports and QWERTY Keyboard

Winweigh IV Software

Winweigh IV is the world's leading weighbridge software. No other solution provides the power and operational flexibility for weighbridge management applications.

- Ideal for single or multiple weighbridges
- Fully web enabled
- Powerful database capabilities
- Compatible with recognised third party software
- SAP, Sage, JD Edwards and Navision compliant
- Control for barriers/lights/ANPR cameras
- Fully configurable for each application
- Vehicle management capabilities

Software Integration

Winweigh IV is compatible with leading ERP, waste management and accounting software packages. This feature offers unrivalled system integration and data management.

COMPLETE WEIGHBRIDGE SYSTEMS AND PERIPHERAL EQUIPMENT

Weighbridge Peripheral Equipment

The Eurodeck SB can be used with a wide range of tried and tested peripheral equipment to form a fully integrated weighbridge management system. These products facilitate weight data collection and streamline on-site vehicle management and security.

- Driver terminals, ANPR cameras, traffic barriers and traffic lights
- Electronic signature capture
- Analogue and ethernet intercom
- Improved vehicle throughput and site security
- Wireless links to PDA's and Smartphones
- Peripherals fully compatible with Winweigh IV Software

Calibration

Weightron Bilanciai are certified for the Self Verification (SV) of weighbridges. This ensures we can carry out calibrations efficiently and quickly using our own test vehicle without having to rely on third party test authorities.

Radiation Detection Systems

Safeweigh is specifically designed to detect radiation sources in vehicles arriving or leaving recycling and reprocessing plants. Safeweigh provides a clear radiation profile of the vehicle and its load. The system is fully compatible with Winweigh IV software.

- Prevents expensive decontamination procedures
- Sensors placed at entry to weighbridge (critical control point)
- Gives clear warning of contaminated loads
- Fully compatible with Winweigh IV
- Can be integrated with security cameras
- Full calibration service provided by qualified personnel

In-Motion Axle Weighing Capability

The Eurodeck SB pit mounted version can be configured to operate in both static and in-motion weighing modes when fitted with digital load cells and optional Diade Thruweigh software. In the dynamic, in-motion weighingmode, individual axles can be weighed with vehicle speeds up to 5km/hour.

- Dual static/in-motion operation
- Individual axle weight measurement prevents overloading
- Increased vehicle throughput - ideal for busy sites
- Individual axle and gross vehicle weight recorded
- Alarm function to alert operators to overloaded axles
- Alarm function for 'off-deck' wheel errors

Export Model

The modular design of the Eurodeck SB makes it ideal for export installations. The weighbridge sections fit inside a standard shipping container for easy transportation.

Further information is available on request.

Technical Specifications

Model	Length (m)	Width (m)	Capacity (t)
Eurodeck SB	18.0	3.0	60
Eurodeck SB	18.0	3.2	60