

BiSON[®]
by **iWiM**

**THE WEIGH
IN MOTION SYSTEM.**



powered by **iWiM**

iwim.it

IWIM COMPANY

IWIM—OFFICIAL WIM SYSTEM MANUFACTURER

iWiM is an Italian company producing WIM systems with over **15 years of experience**. We have **developed, certified and approved the first weigh in motion system in Italy - BISON**.

The BISON product obtains the international certification OIML R134 and is admitted by Italian ministry of economic development as measuring instrument with legal value.

As manufacturer iWiM company is ISO certified and guarantees quality standard.

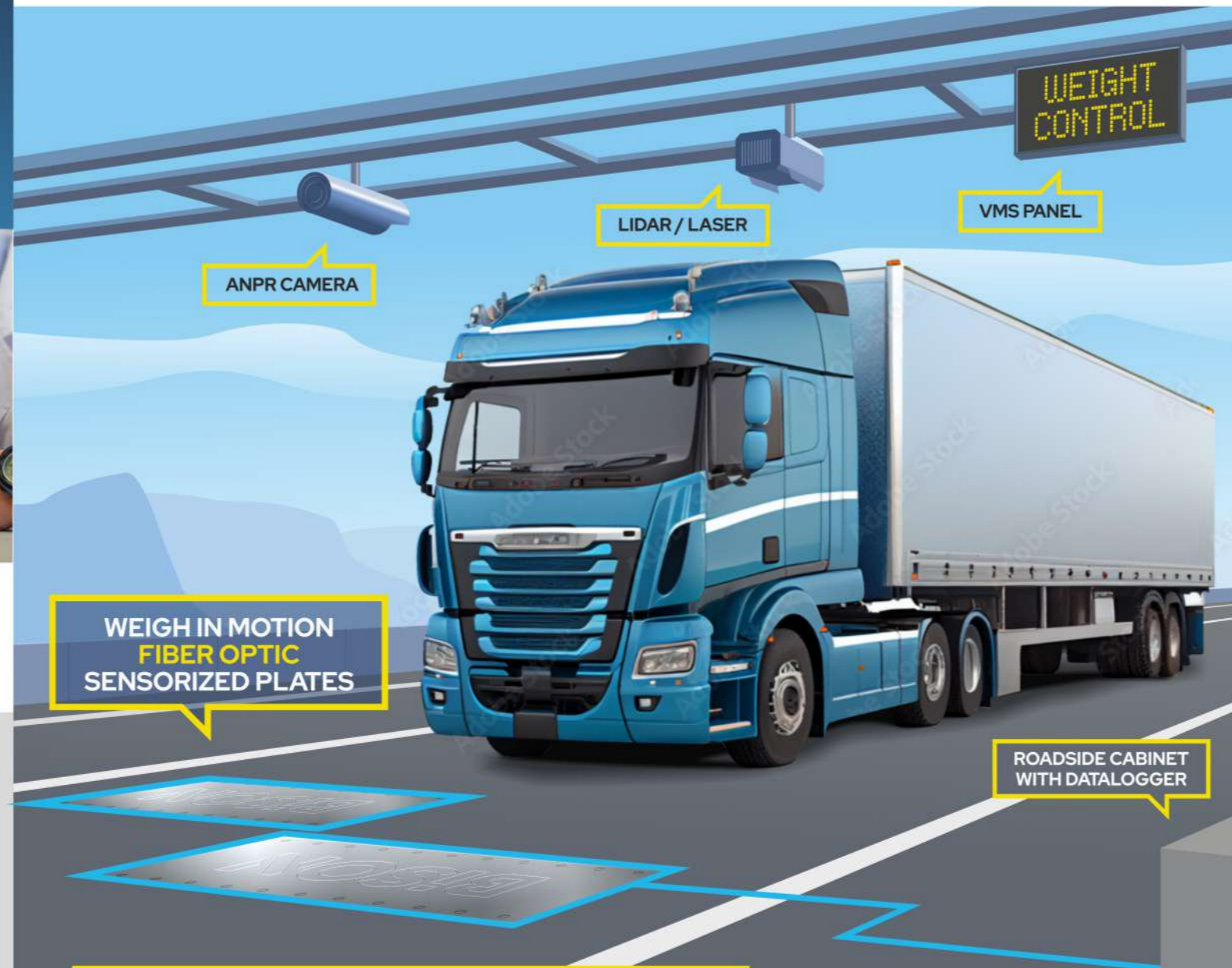


BISON ADVANTAGES

- High durability and low maintenance
- The measurement is invariable and stable under temperature variations and climatic conditions (humidity, snow or mud), operative range -30°C - +75°C)
- Non need of inductive loops
- System is REUSABLE in case of renovation of the road surface and can be removed to a new installation site
- No electricity needed under the plates, nor into the asphalt
- Immunity to electromagnetic fields
- The datalogger can be installed at high distances (up to 10 km) without influence on data accuracy

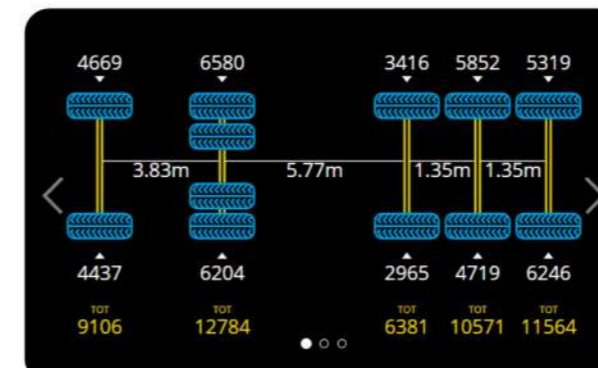
BISON WIM: FLEXIBLE ALL-IN-ONE SOLUTION

The BISON system is a flexible solution that supports other technologies and can be easily integrated with monitoring or statistical processing platform. BISON offers real-time exchange functionality of transit data, including vehicle images, license plate OCR, and 3D dimensions.



SOFTWARE & WEB INTERFACE

The software is designed directly by iWiM. It has a simple and intuitive interface, providing, in **real time** all information on vehicles in transit.



BISON TECNOLOGY

STAINLESS STEEL BENDING PLATES

The Weigh In Motion (WIM) system BISON is composed of 2 stainless steel bending plates, installed flush with the road surface and can be placed on urban and suburban roads, motorways / highways, bridge and toll booths.

FIBER OPTIC SENSORS

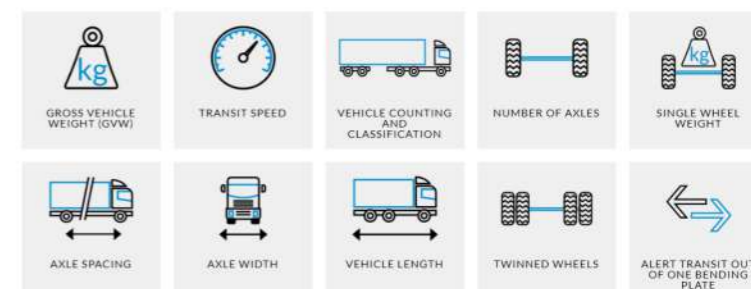
The bending plates are equipped with fiber optic sensors and connected by fiber optic cable to the datalogger.

TECHNICAL FEATURES



BENDING PLATES		DATALOGGER	
Sensor technology	Fiber optic	Connection to bending plates	Fiber optic cable
Dimensions WxHxD	200/175/150x62cm	User interface	WEB - based
Elements material	Stainless steel 316	Power supply	230Vca 50Hz/60Hz
Output signal	Optical	Network interface	Ethernet
Power supply	Not required		

DATA COLLECTED



SYSTEM.

BISON weigh in motion systems are a range of products adapted and used for different applications.

The Bison dynamic weighing system can weigh vehicles of **25 tons per axle** even **at high travel speeds (from 5 to 150 km/h)**, detecting overloaded vehicles and the control of exceptional transport.

Our clients use **BISON solutions** for control of heavy transports and traffic management of:

Highways, logistic hubs, ports, terminals, worksites, ordinary roads

CROSS LANE DETECTION

BIDIRECTIONAL



READY TO BE EASILY INSTALLED

OPERATIVE IN 8 HOURS

**THE WEIGH
IN MOTION**

