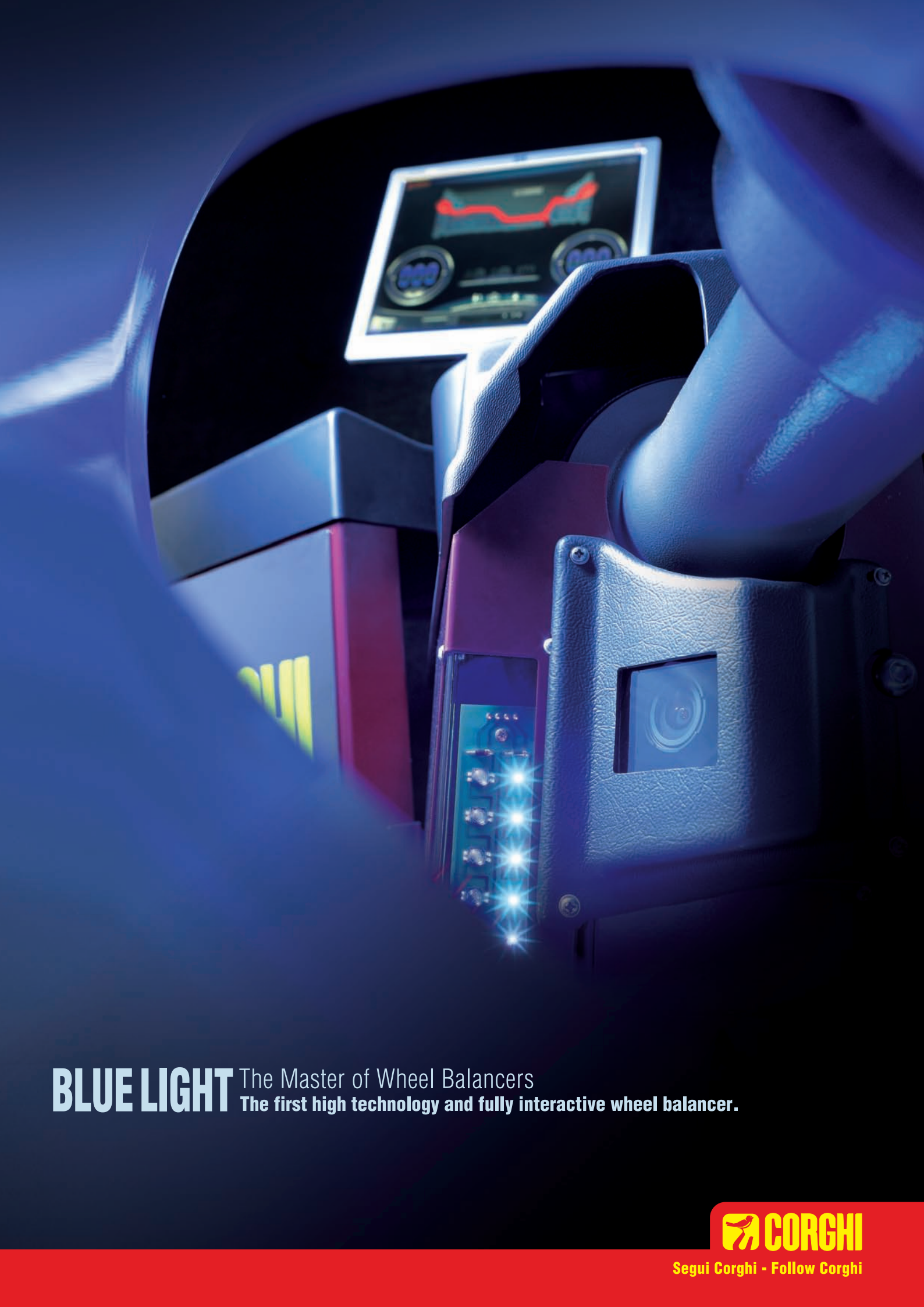


BLUE LIGHT The Master of Wheel Balancers

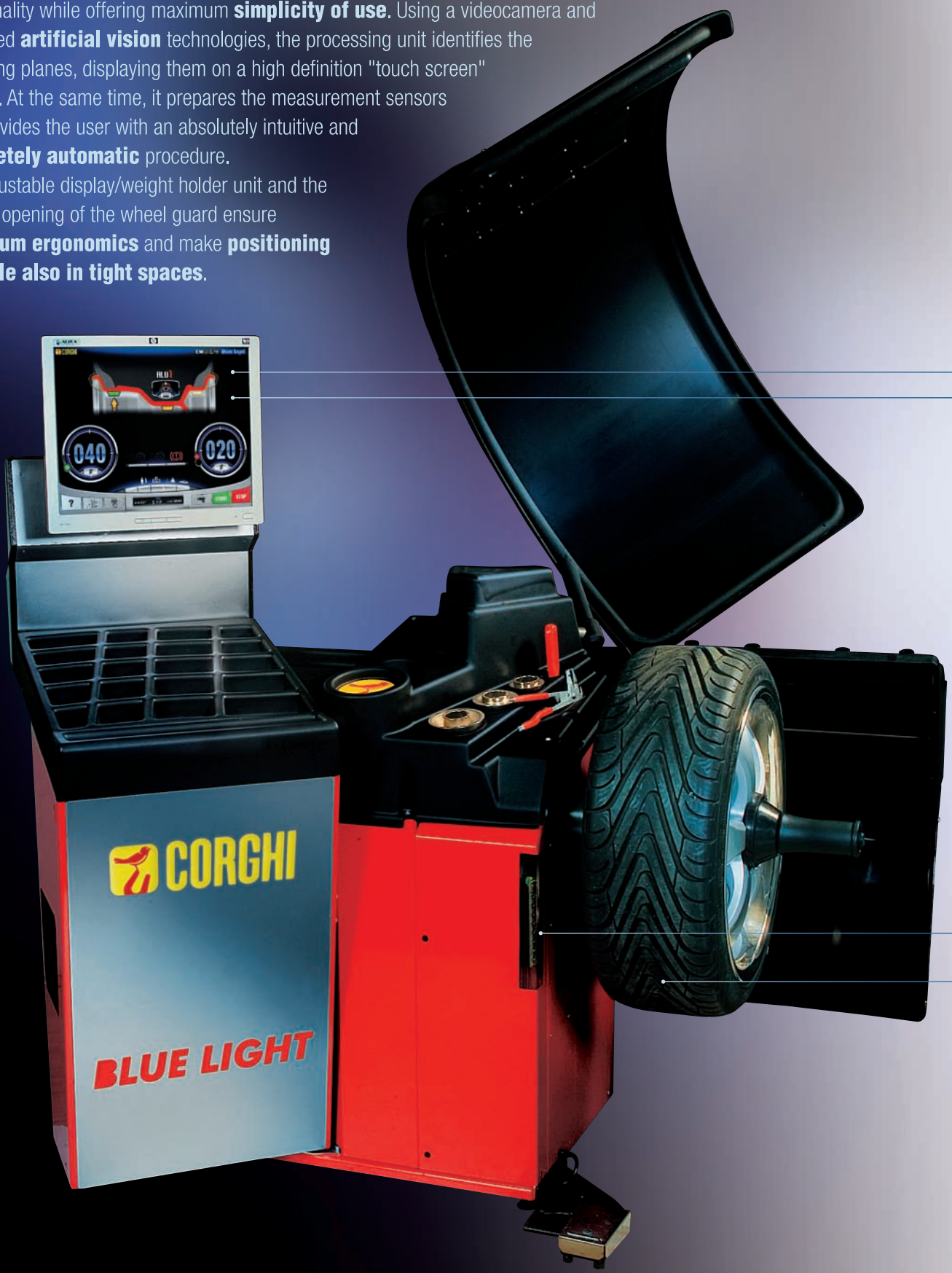
The first high technology and fully interactive wheel balancer.

CORGHI

Segui Corghi - Follow Corghi

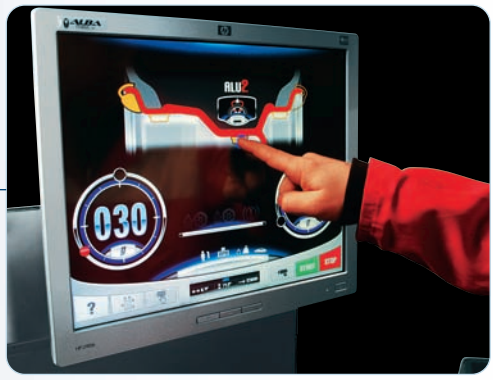
The highest technology content for maximising operative simplification.

Blue Light's complete technical development was achieved with the goal of maximising functionality while offering maximum **simplicity of use.** Using a videocamera and advanced **artificial vision** technologies, the processing unit identifies the balancing planes, displaying them on a high definition "touch screen" monitor. At the same time, it prepares the measurement sensors and provides the user with an absolutely intuitive and **completely automatic** procedure.
The adjustable display/weight holder unit and the oblique opening of the wheel guard ensure **maximum ergonomics** and make **positioning possible also in tight spaces**.



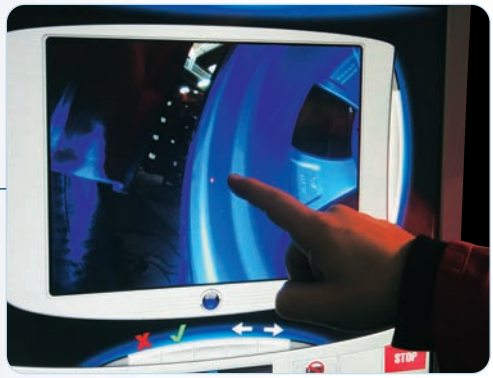
If the operator wants to change the positions calculated and suggested by the system, he must simply **indicate on the monitor** the new balancing surfaces where he intends to apply the weights; **The system will automatically acquire the dimensions** and immediately recalculate the new values of the weights and corresponding angular positions.

Blue Light operates through the interaction of four main technologies:



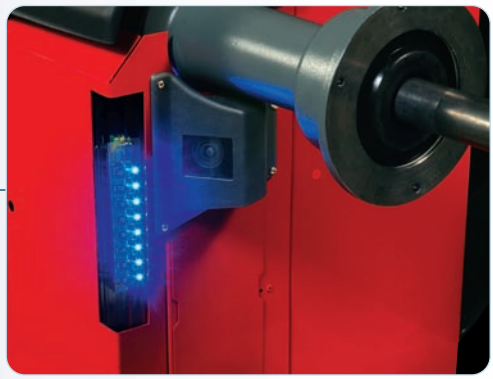
Touchscreen

• This technology makes the LCD display touch-sensitive:
in this way, the operator can **fully interact** with the wheel balancer by touching the screen in order to change the balancing parameters.
• The monitor can also be used when work gloves are worn.



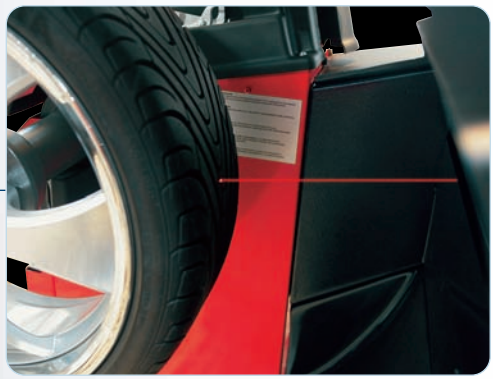
Real Time

• The use of a high performance multiprocessor PC makes the immediate processing of the balancing data possible.
• This special feature, together with the use of the Touch Screen, transmit the perception of intervention and operativeness to the user in "**real time**".



Blue Light

• To light the internal part of the rim, the machine uses a special **blue light** system, patented by Corghi, which is the most suitable for this type of reading.
• This feature makes it possible to acquire images in **all conditions of ambient lighting** and provide the wheel balancer with a **strong image**.



Touchless

• Instead of traditional mechanical sensors, **Blue Light** uses a laser **sensor system**.
• The laser sensors **perfectly measure the distance** and geometrical dimensions of the wheel.

All the other functions for quick and perfect balancing.

The following complete and integrate the main **Blue Light** functions:

Radial and lateral run-out measurement

• **During the unbalance measurement cycle**, Blue Light also analyses the wheel defects without lengthening the spin cycle. If the run-out value lies above the acceptability threshold, **the system will suggest a more in-depth analysis**.

• The machine is provided with a **laser pointer that uses a luminous point to indicate the position for applying the adhesive weight.** The positioning and application is done simply and quickly as the weights are calculated at "4 o'clock", in an ergonomically visible and easily accessible position.

Automatic preselection

• For alloy rims, there is a specific program for automatically preselecting the balancing planes. Using **artificial vision** technologies, the microprocessor identifies the balancing planes, prepares the measurement sensors and provides the operator with a **completely automatic** procedure.

Alu Live Function

• **In the ALU programs**, the image of the wheel on the screen makes it possible for the operator to indicate the **displacement of the balancing planes** directly on the monitor.

Weight Management

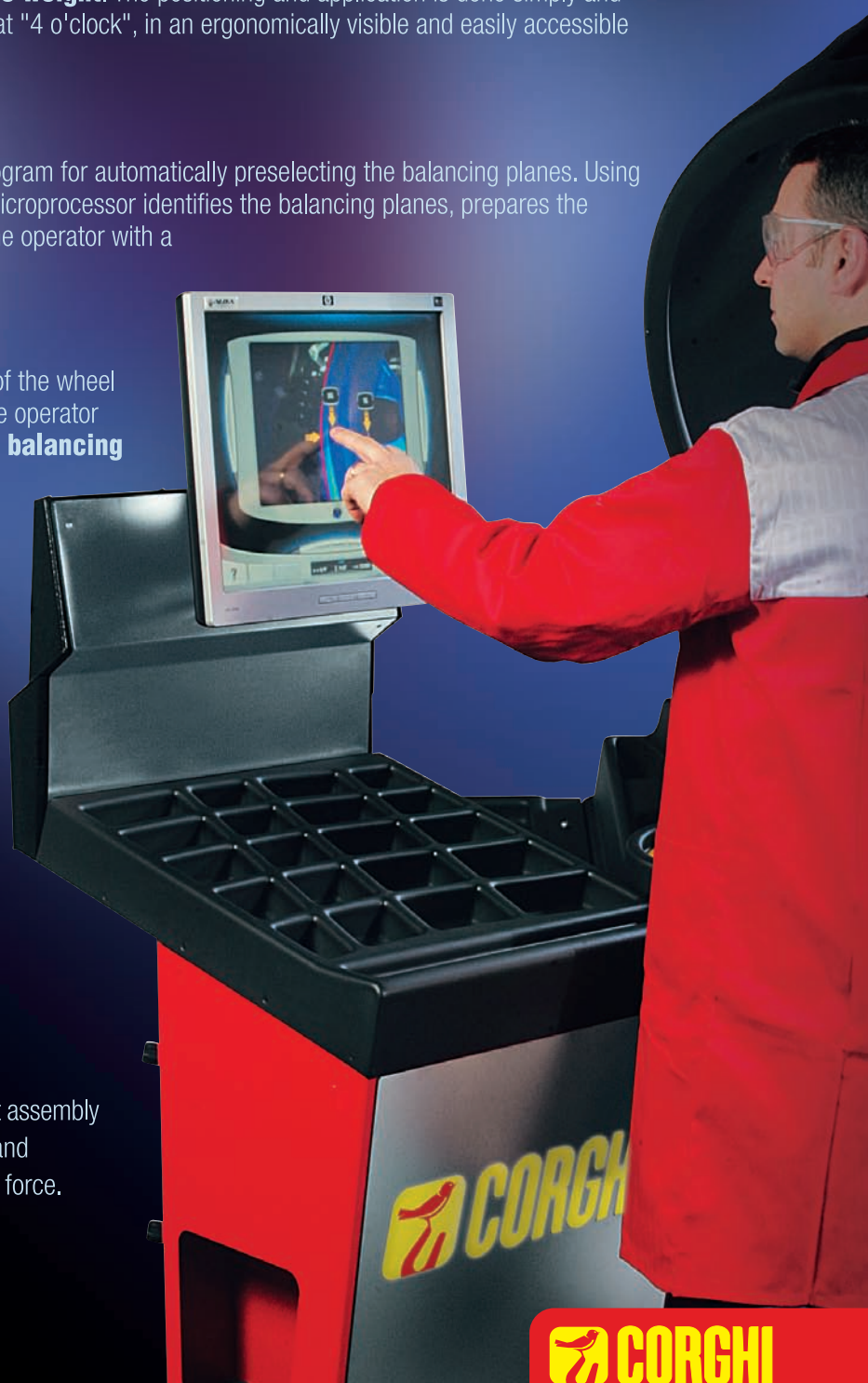
• The "Weight Management" suite, which also includes the weight savings program **Less Weight**.

Side slip measurement

• The machine precisely analyses the tread and detects the slide slip of the wheel. Side slip of the wheel, which is due to tyre conicity attributable to a manufacturing defect or irregular use, is often the cause of **vehicle drift**.

Self-Locking Device

• ELS (Electronic Locking System) shaft assembly with **immediate clamping stroke** and **electronic control** of the tightening force.

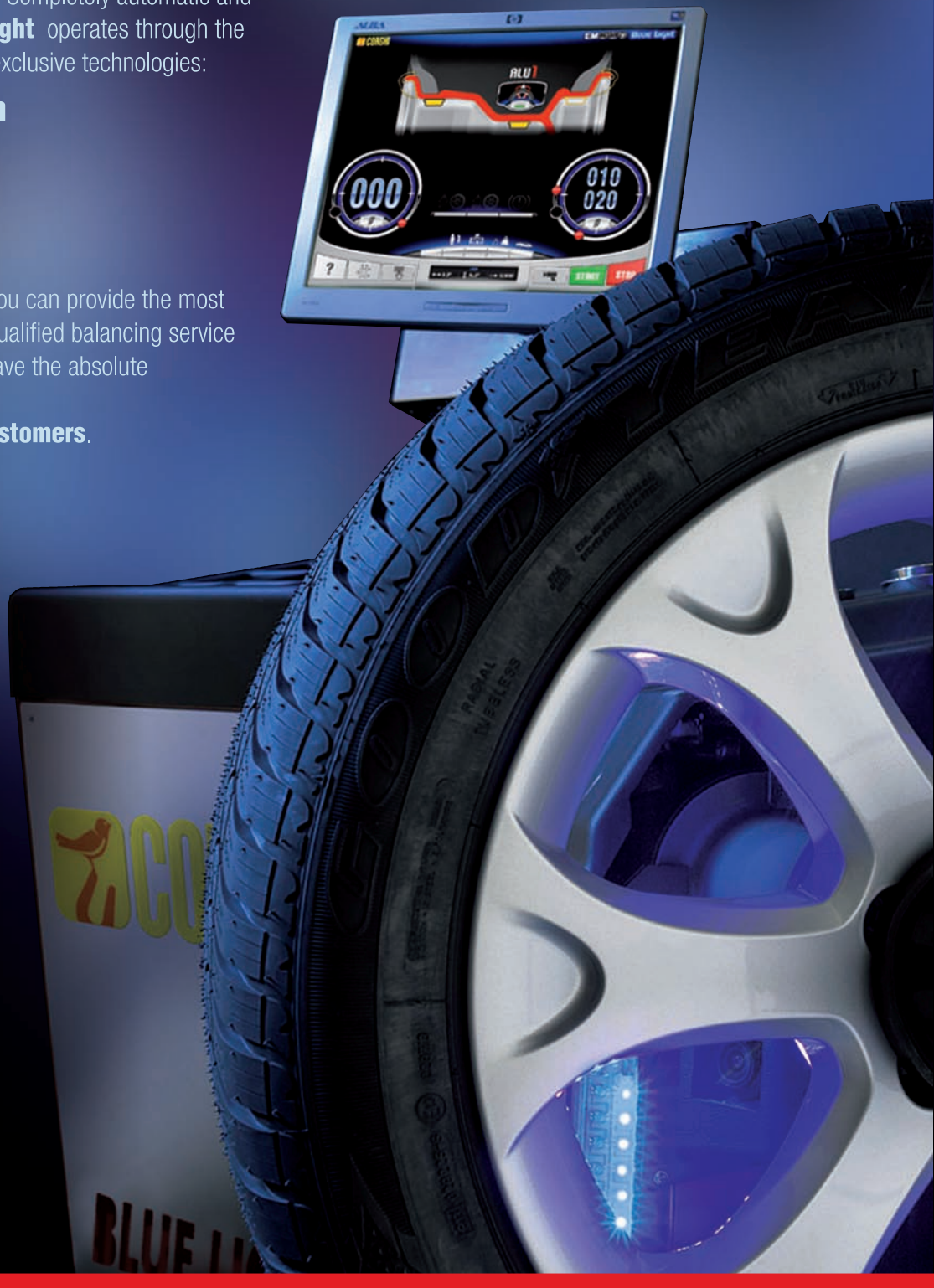


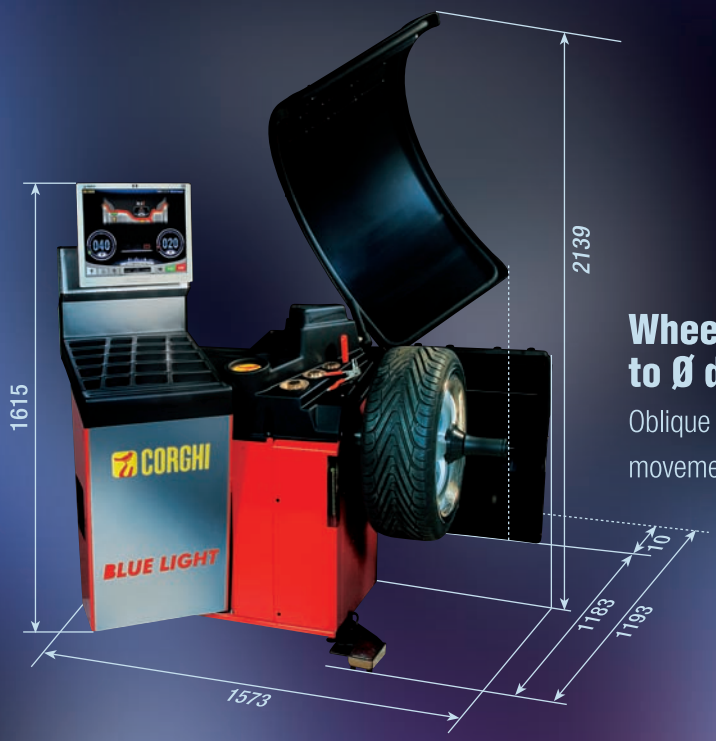
Blue Light Corghi:
a revolutionary patent that radically changes the quality of the balancing service.

Blue Light is the top wheel balancer in the Corghi product range. After years of research and testing, **Corghi** presents an extremely high tech model that provides extraordinary operative performance. In line with its own philosophy of promoting **perfect balancing**, with **Blue Light**, **Corghi** becomes the absolute leader also in this important market segment, satisfying requests for innovation, speed and absolute quality of the balancing service with certain results. Completely automatic and interactive, **Blue Light** operates through the application of four exclusive technologies:

- **Touchscreen**
- **Real Time**
- **Blue light**
- **Touchless**

With **Blue Light**, you can provide the most evolved, safe and qualified balancing service available and will have the absolute certainty to have **satisfied your customers**.





Wheel guard according to Ø dimensions.

Oblique space-saving opening with balanced movement, which is cushioned by a gas spring.

Technical data

Display	High resolution touch-screen monitor
Wheel data acquisition	Automatic with laser triangulators
Image/data processing	Personal Computer Multiprocessor
Rim lighting for acquiring images	with the blue light system
Rim display and image acquisition	with videocameras
Weight position search	Automatic
Measurable rim diameter	10” - 32”
Maximum wheel diameter	44”
Maximum wheel width with guard	600 mm
Maximum wheel weight	75 kg
Rotation speed	70-85-98 rpm
Radial and lateral run-out measurement	Yes
Automatic wheel clamping	Yes, ELS shaft assembly
Power supply	Switching power supply 100-230 V 50-60 Hz
Body/flange support distance	275 mm

Authorised dealer

CORGHI

www.corghi.com

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