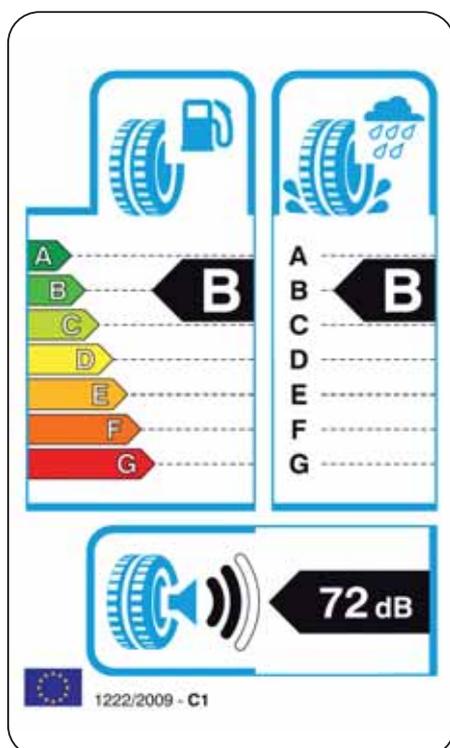


[LEGI-AIR 5300  
TIRE LABELLING  
SYSTEM]

FAST, ACCURATE, SAFE



## labelling compliance provides opportunity



Effective in 2012, the EU Commission will require tire manufacturers to comply with new labelling guidelines aimed at clarifying the safety and performance characteristics of tires.

The newly mandated labels will provide accurate details concerning seven classes of a tire's rolling resistance and braking performance, as well as exacting specifications of its rolling noise level. All manufacturers supplying or selling tires in the EU zone will be required to follow this directive.

The LEGI-AIR 5300 Tire Labelling System from Weber Marking Systems is ideally suited to meet the new EU guidelines. The system is fast, reliable and easy to integrate into any existing production process. In addition, we offer custom, pressure-sensitive labels specifically designed for any type of tire.

Let us show you how to transform this new Labelling obligation into your advantage. With Weber Marking, you can depend on a partnership that will not only help you comply with the new Labelling regulations, but also provide you with economic advantages for your production line and your marketing efforts.

- \* FULLY AUTOMATIC
- \* IDEAL FOR ROUGH PRODUCTION CONDITIONS
- \* HIGH-GRADE LABEL PRINTING IN A SINGLE OPERATION
- \* PRINTS AND APPLIES UP TO 30 LABELS PER MINUTE
- \* PRINT RESOLUTION UP TO 24 DOTS/MM AT 600 DPI
- \* ALL CONVENTIONAL DATA INTERFACES
- \* SERVICE INTERVAL DISPLAY
- \* DISPLAY CONTROLLER FOR SIMPLE OPERATION
- \* EASY INTEGRATION
- \* CE CERTIFICATION

## turn your labelling requires into an advantage

Identification is Weber Marking's specialty. As your partner in Labelling and coding, we have developed a unique label printing and application solution that features flexibility, quality and efficiency in addressing the needs of tire manufacturers.

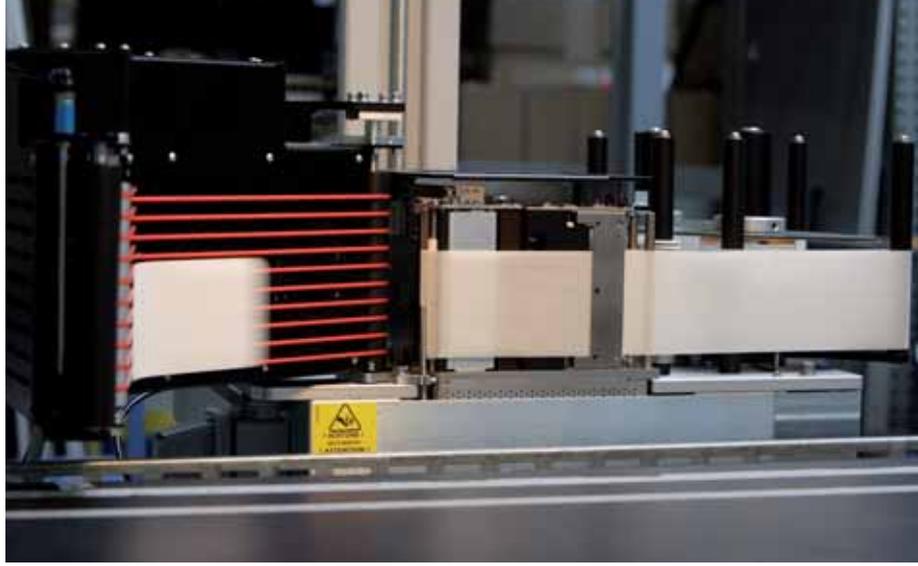
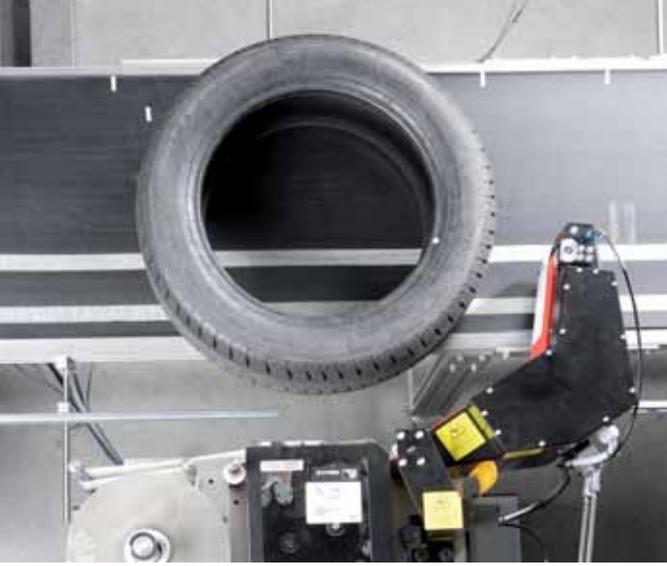
The LEGI-AIR 5300 Tire Labelling System safely, quickly and consistently produces perfectly positioned labels. It also optimizes the product identification process to provide a positive impression on consumers, thanks to accurate label placement and a strong brand impact.

The system prints top-quality labels at very high resolution in a single operation. The robust and durable construction of this unique Labelling system makes it ideal for use in the challenging environment of the tire production industry.

Successive products always are properly labelled, even with changing product identification requirements, and the system detects any loss of labels or faulty triggering. Continuously changing products and information can be accommodated without wasting labels. The LEGI-AIR 5300 Tire Labelling System is versatile enough to communicate via existing data controllers or interfaces.

Functions like service interval alerts or operating mode display are very user-friendly. These functions will, among others, report via a signal or by e-mail when service is due or report a malfunction caused by depletion of a consumable. The plain text, multi-language display can be freely positioned. The installed web browser also enables the current servicing status to be inspected by remote diagnosis.





## practical application – without the hassles

### **The situation**

Thousands of tires are labelled by tire manufacturers per day. This is normally done by hand, often resulting in label application that can be irregular and unattractive. In addition, the labels must first be printed and sorted prior to application. This procedure is time consuming and costly, and prone to error.

### **LEGI-AIR 5300 Tire Labelling System makes its mark**

Tires that require labels travel by conveyor at a speed of approximately 60m per minute, and consist of a selection of different tires; heights vary between 15.5cm and 25.5cm, and dimensions range from 45cm to 80cm. Furthermore, some of the tires are intended for original equipment manufacturers, some for dealers, and only the products intended for the consumer market require Labelling.

The LEGI-AIR 5300 Tire Labelling System prints and applies labels up to 800mm in diameter. The operation is quick, accurate and reliable, thanks to a controller that informs the on-board label printer and dispenser which type tire is next to arrive on the conveyor belt and if Labelling is required.

The labels can then be individually printed using data including product description, bar codes and more, and can be applied with a newly developed belt applicator that wipes the label onto the tires as they speed past.

Due to differing tire diameters and cross-sections and varying positions on the conveyor belt, the distance between the tire to be labelled and the Labelling system itself may vary by up to 10cm. The LEGI-AIR 5300 Tire Labelling System is uniquely engineered to accurately apply the label to any tire on the conveyor. The printed label is peeled off the backing evenly, retained by vacuum, then moved forward to the product via conveyor belts on the applicator plate.

The label feed is extremely fast. Tires can be labelled every two seconds, even using variable data. As an option, fully automatic label centering – regardless of tire width – is available to provide a visually perfect presentation at the point of sale. Manual Labelling cannot compare to this automatic procedure.

### **The tandem solution provides maximum operating time**

If around-the-clock operation is required, two LEGI-AIR 5300 Tire Labelling Systems can be connected in tandem. As soon as the end of a label roll is reached, a signal is transmitted to the second system, which then takes over Labelling without interruption. This ensures optimal process flow, with the highest operational efficiency.



## special labels for the tire industry

The unique manufacturing conditions and the required separating agents for tire production play a vital role in the selection of the proper label material and adhesive. Tire industry environments are dusty, newly-produced tires are still hot, and separating agents complicate label adhesion. That's why Weber Marking offers special labels with properties that do not affect the quality of the tire, yet exhibit excellent adhesive qualities.

- A special, modified composition of adhesive combines good initial tack and final adhesion with optimal label dispensing properties – without adhesive discharge.
- A particularly resilient label facestock was selected to ensure that the labels on the tires resist damage and abrasion during transportation and storage.
- To ensure that the printed information withstands extreme conditions, a special thermo-transfer foil is available for later printing of varying label content. The printing on the label is wear- and weather-resistant and will not fade.

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