



NEWS RELEASE

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WITTMANN R9 WLAN TeachBox: the new freedom of movement

At the K 2019 in Düsseldorf, WITTMANN presented another innovative option for the WITTMANN R9 robot control system.



WITTMANN R9 WLAN TeachBox

Especially in view of the way we operate appliances, the influence of the large consumer market on the industrial environment is becoming stronger and stronger. To cater to this new trend, WITTMANN now offers both the capacitive touch and the multitouch functionality for the standard version of the WITTMANN **R9 TeachBox**.

When setting up robots, being as close as possible to the action is absolutely vital for precise adjustment of the desired position. To make this possible in every case, the operating terminals must have a functionality which enables the operator to start the movements directly. This makes it necessary to equip the terminals with safety features such as emergency shut-off and confirmation facilities.

For all of these reasons, the WITTMANN **TeachBox** has come for decades as a separate operating terminal with a cable connection to the control system. This concept offers both operating safety and freedom. (If those terminals were pure visualization units, their tasks could certainly be performed by standard tablets.) With the cable connection, the operator's maximum range is of course limited by the

length of the cable – a definite handicap especially when working on large machines and/or large automation systems. The longer cables required there interfere with the traffic on travel paths, are more easily damaged or become trip hazards. The **R9 WLAN TeachBox**, a safe industrial operating terminal without cable has been designed to solve precisely this type of problem.

Safe data transmission is effected via redundant radio transmission, combined with an active link to the corresponding base station. As soon as the link has been established, the safety functions such as emergency shut-off, confirmation switch and key switch are activated, which becomes visible to the operator through the actively illuminated emergency shut-off switch. For safety data transmission, “Black Channel” communication technology is used.

Thanks to the use of a TÜV-certified safety concept, the WITTMANN **R9 WLAN TeachBox** is ready for industrial use.

The WITTMANN Group is a worldwide leader in the production of injection molding machines, robots and peripheral equipment for the plastics processing industry, headquartered in Vienna/Austria and consisting of two main divisions: WITTMANN BATTENFELD and WITTMANN. These two divisions jointly operate the companies of the WITTMANN Group with eight production plants in five countries. Additional sales and service companies are active in 34 facilities in important plastics markets around the world.

WITTMANN BATTENFELD pursues the further expansion of its market position as an injection molding machine manufacturer and specialist for state-of-the-art plastic processing technologies. As a supplier of comprehensive, modern machine technology in modular design, the company meets both present and future market demands for plastics injection molding equipment.

The WITTMANN product portfolio includes robots and automation systems, material handling systems, dryers, gravimetric and volumetric blenders, granulators, temperature controllers and chillers. With this diversified range of peripheral units, WITTMANN offers plastics processors solutions to cover all production requirements, ranging from independent production cells to integrated plant-wide systems.

The integration of these various segments under the umbrella of the WITTMANN Group has led to complete connectivity between the various product lines. This integration has greatly benefited plastics processing users, who are increasingly looking for seamless production, including automation and peripheral functions.

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