

# Weinig OptiControl-



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# Weinig OptiControl-



The OptiControl is an electronic measurement and display system designed for obtaining tool data and adjusting machine information for a moulder. It plays a crucial role in various aspects of woodworking, offering benefits such as shortened setup times, increased flexibility in part production, and the prevention of material losses.

## **Key features of the OptiControl tool measurement system include:**

**Optical Measurement:** The system allows for optical measurement of all tools, providing precise adjustment values directly on the machine. This eliminates the need for manual measurements and ensures accuracy in tool positioning.

**Setup Time Reduction:** By executing adjustment work outside the machine, the OptiControl contributes to a significant reduction in setup times. This efficiency is essential for improving overall productivity.

**Touch-Free Measurement:** The tool measurement system enables touch-free measurement of tool dimensions, including the radius (R) and height (H). This not only enhances accuracy but also minimizes the risk of damage to the tools during measurement.

**Electronic Digital Displays:** Precise measurement and display are facilitated through electronic digital displays, ensuring that the obtained data is accurate and easily readable.

**Projector for Optical Measurement Recording:** The inclusion of a projector with twenty-fold enlargement capability allows for detailed optical measurement recording, further enhancing the precision of the tool measurements.

**Absolute Dimension for Distance Measurement:** The system supports absolute dimension measurement, useful for distance measurement, for example, with saw packages.

**Connectivity to PC:** The OptiControl is designed to connect to a PC, allowing users to leverage PowerCom software for additional functionalities, data analysis, and management.

## **Benefits include:**

**Simple and Precise Adjustment Positions:** Users can easily and precisely obtain adjustment positions for the moulder, leading to improved accuracy in the machining process.

**Easy Operation:** The system is designed to be user-friendly, allowing for manual data transmission to the moulder with ease.

**Controlling Blade Concentricity:** Tool measurement is crucial for maintaining blade concentricity, ensuring the quality of the machined products.

**Setup Time Reduction for Profile Dimensions:** Measurement of profile dimensions or distances from groove cutters or saw blades contributes to further reduction in setup times, enhancing overall operational efficiency.

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