

Neues woodLine 3.0 with extended functional scope

25 years of production line control at HOMAG

Homag Holzbearbeitungssysteme AG may lay claim to a broad fund of experience in the field of production line control. Mastery over complex plant control systems has been one of the Schopfloch-based company's core fields of competence for 25 years now. The latest version of woodLine 3.0 is certainly out to impress: Alongside its generous functional scope and matured technological basis, the system also offers outstanding user convenience.

It was as long ago as 1982 that HOMAG installed its first production line control system at the company SieMatic, and the number of installations has gradually increased to the present day to reach around 50 every year. The technology has developed in leaps and bounds since those early days, and its functional scope has increased enormously. It is the customers who benefit from the broad fund of experience gathered by HOMAG over the last 25 years in the field of production line control. The new version of woodLine 3.0 represents the culmination of expertise gathered by the company over this period and following its presentation at the Ligna 2007 has now gone into series application.

Basic functions of the new HOMAG production line control system include the overriding control of interlinked machines, part monitoring in the linear part flow, calculation of the gaps between workpieces and feedback signals. For the first time, woodLine 3.0 permits individual parts to be tracked anywhere in the plant using a graphic display, so providing a substantially clearer overview of the entire plant and its various sections. This eliminates the need for laborious correction of workpiece counters, for instance if a defective workpiece has to be removed, as the parts can be conveniently deleted or displaced with a click of the mouse.

The system of calculating the gap between workpieces has also been improved in the new version by converting the machine control to the **power** control system PC22. This decentral and modular control concept permits every unit to calculate its own workpiece gap independently. woodLine then collates the workpiece gap calculation results, standardizes them and calculates the minimum gap at the machine's infeed. This eliminates the need for time-consuming and manpower-dependent setting of the workpiece gap calculation system during the commissioning phase. The result: reduced installation times and an overall improvement of plant output.

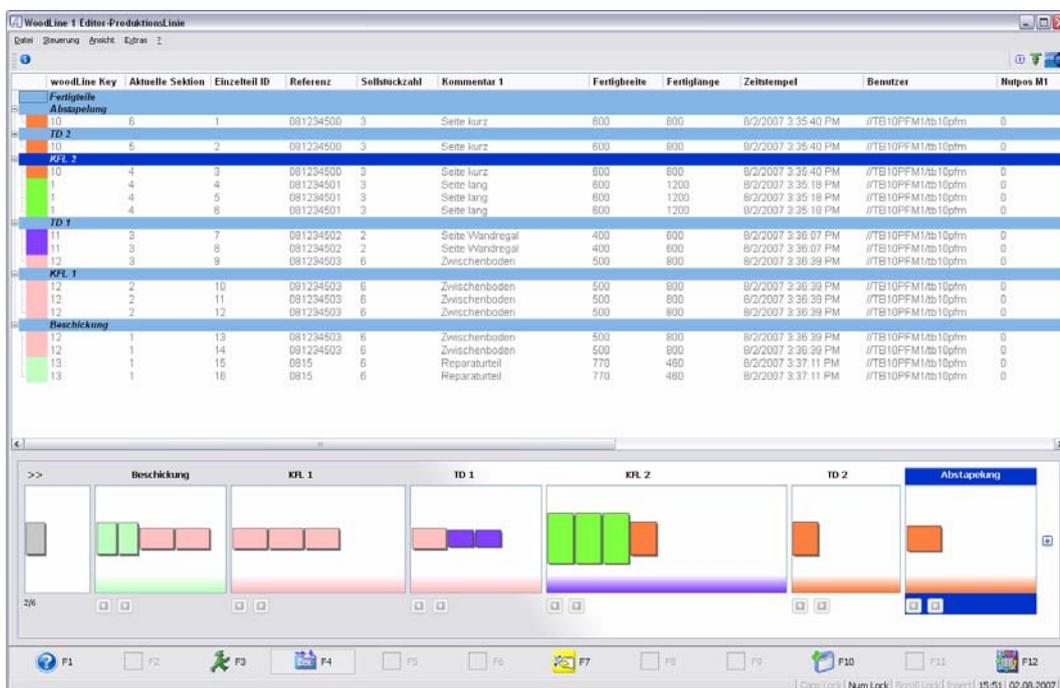


Fig. 1:
Production line control woodLine 3.0



Fig. 2:
Operation of the woodLine 3.0 production line control system

For more information, contact

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