

We increase productivity in window and entrance-door production – noticeably!

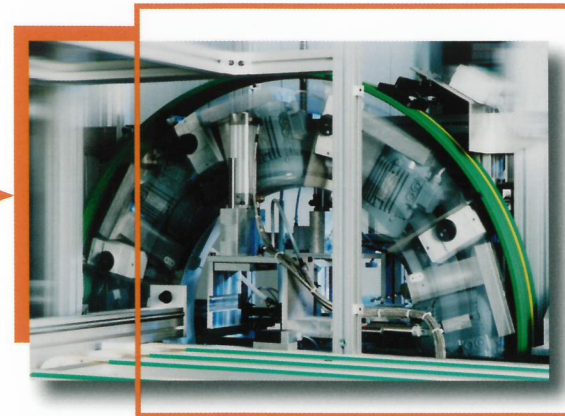
In order to achieve the complete machining of all profile types in the production of windows and entrance-doors in one process, we have positioned all machining units on a slewing ring which can be aligned from 0° to 360°. This CNC-controlled design ensures that all machining operations are executed with the highest precision in just one processing step, as all units are activated through digital frequency converters. Therefore, drilling templates and positioning aids are no longer necessary.



All important components such as controller, operator guidance via monitor, scanner as well as feed and offload buffers are all clearly arranged in the modular-designed machining centre. The design of the PBZ Profile machining centre grants access from all sides ensuring quick tool-changes and easy maintenance.

A mature software ensures freely programmable processing steps for a large variety of machining options. Needless to say that the PBZ can be smoothly integrated into existing networks. If requested, our application engineers program new, customised profile processing, new profiles or complete profile systems. These programs are then sent directly to the machine controller via remote maintenance software.

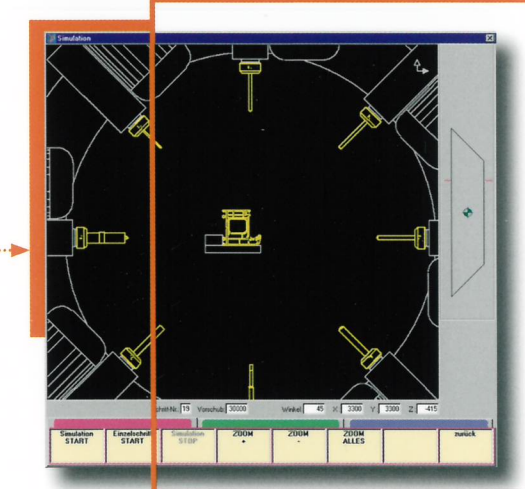
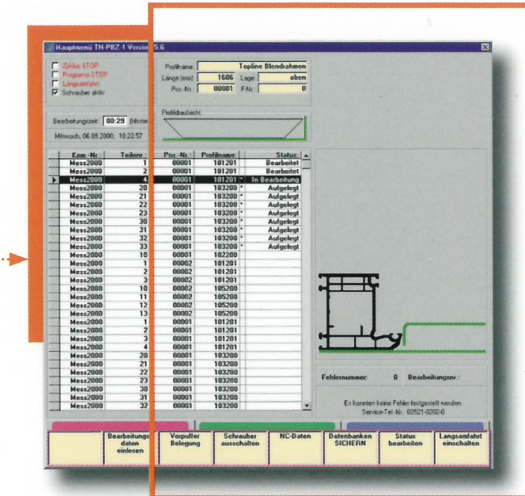
We don't make any compromises when perfect results are required.



The versatile machining options and the processing of all commonly-used profile lengths ensure that any size of window- and entrance-door production company can work efficiently. This applies to work being optimised according to program, work carried out randomly as required, profile- or order related work as well as the production of one-off pieces. The freely programmable gripper position ensures that any size of profile can be processed without additional setup time.



Loading and removal – the profiles are transported automatically via a feed magazine and an exit transport buffer. The only manual activity left to do is scanning the profile data. Profile identification guarantees the exact execution of the pre-defined machining steps. The speed of the machining is individually adjustable.



The machine is operated via a clear-text display. The data created by a window-design program is read-in job-related, the staff-related data is visually displayed and identified by the integrated scanner. Depending on the fittings, the machine controller manages the required drilling templates as a sub-program. They can be easily reprogrammed. The visual, on-screen simulation permits exact control of the program changes thus ruling out human errors.

However, should an error occur despite precision and reliability, fault diagnostics is visually displayed in graphic detail. Thus, the operator can immediately determine where to clear the fault. Diagnostics and maintenance can also be carried out online via the integrated remote maintenance software. By using the latest communication methods - such as the remote data transfer - we can assist our customers whenever assistance is required.