

RILESA ApS

Supplier of Drilling Machines and material handling equipment to the woodworking industry

Winprofi



Drilling and milling of Window components



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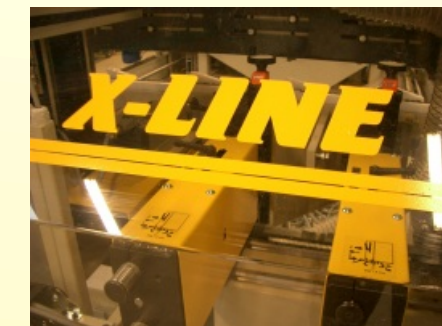
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VLGD 1524



UNEX



VAKMIX STAFET



VAKMIX 6000



VAKMIX 6000P



Vlg 1524



WinProfi



VAKMIX STAFET

Winprofi - Full automatic process, of Window components.

In one pass, window by window

throughout the years Rilesa has design and produced machinery for the window industry, and with this new model of the advanced Winprofi- line. We have increased the capacity, we have made the access better and the process possibilities more. The Winprofi line can be equipped with a number of different options, and we can process on all faces of the components. On the line shown on these pages we have placed 2 squarehole chisels, 1 longhole milling unit for lockers 3 pcs. drill units from underneath and one drilling unit from the side. The number of options depend on the needs of the locks. The pieces are loaded into the process unit from the bufferconveyor one by one, and pass in the length direction. When the profiles enter the process unit they are caught by a servo controlled position system, the system will hold and place the component in front of the different process units. The Winprofi line has a high throughput with high precision.

Data from the order system can control the winprofi line.

Winprofi line will have 2 control options : Option I the machine is programmed and controled from the display. The operator can store the different component types together with the milling, drilling positions in the different faces. Working with the line the operator can choose the type from the menu, load the component into the line, and it will be processed according to the stored data. Option II. The Winprofi-line can be networked to an inhouse order system. Data files will be downloaded into the line. The line will know how to process the different pieces. The pieces will leave the line window by window in the order they are assembled.



The processing units are placed in a cabin with easy access.



Inlet with buffer conveyor. The pieces are often coming directly from a moulder or a double ending tenor.



The components are moved one by one from the buffer conveyor onto the conveyor running into the processing unit.



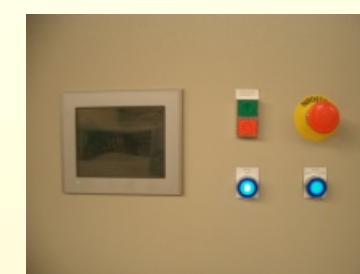
After processing the pieces they leave the unit on a outlet buffer conveyor belt.



In the processing unit all the pieces are clamped. The width is positioned automatically



Two powerful servo motors will move the components at a high speed rate. Some of the processing units are fixed and others can move and reposition.



The Winprofi line is run from a data file from an order system, or from the machine display, by choosing the wanted drilling / milling drawings for each component, or a number of components of the same type. No matter which solution there are an endless number of possibilities.



Hinges

The component is positioned and the holes for the hinges are drilled



Handles

From the bottom side there are a number of drill heads with various tools. The program is controlling the right tool to be positioned.



Lock holes

Long holes milling for lockers. Underneath you can see the drill head for locks.



window bars

Square holes for window bars, one or two is processed with speed and precision by two powerfull units.



Her is another example with square holes and drilling for hinges, but it could be any other type of processing. The line is prepared for units from all sides and angles. The requirements for your company might be different.