

Most Innovative Machine

Frame, Sash or Door Fabrication

Linear Pro Automated Cutting and Fabrication Centers

Stürtz Machinery

Twinsburg, Ohio

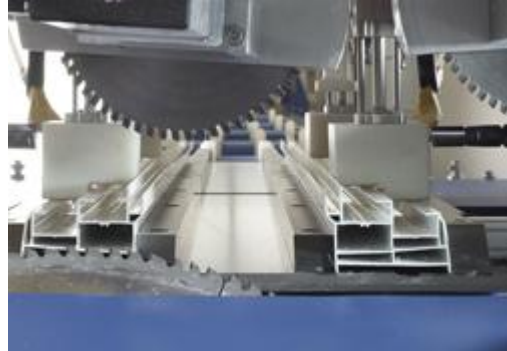
Stürtz Linear Pro Series of Automated Cutting and Fabrication Centers utilize the latest technology to provide high speed, accurate cutting and fabrication of sash and frame profiles for all styles of vinyl fenestration products. The exclusive Linear Motion Control Feed System allows the material to be fed at a rate of up to 13 feet per second with repeatable tolerances within ± 0.010 inches. These tolerances are achievable due to a unique closed loop, absolute measuring system. By removing the motor and gearbox found in conventional drive train systems, Stürtz has eliminated the inherent backlash found in other feed systems which causes variations in cut lengths and fabrication locations.

The Linear Pro Series is available in two cutting configurations. The V-Cut provides high speed 45° cutting for sash and full miter frame profiles. The VHC-Cut is designed for processing sloped sill windows and has the ability to perform in-line compound jamb notching. Optional integrated fabrication systems are available in three configurations to allow fabrication from all sides of the profile.

Fabrication tools can be mounted in fixed locations or, to maximize productivity, the exclusive Stürtz Flying Bridge allows fabrication to be performed concurrently with cutting and notching routines. The Flying Bridge allows the fabrication tools to travel in X, Y, and Z planes to provide maximum flexibility. Concurrent fabrication and cutting maximizes throughput without sacrificing accuracy.

Unique maintenance features are also available on the Linear Pro. Optional tool breakage sensors can be installed to alert the operator of a broken tool bit. These sensors can be interlocked to stop the machine and notify the proper personnel of the condition and the need for action. This feature, combined with the standard tilting lower tool carriage provides maintenance personnel with the means to quickly and efficiently change worn or broken tools before bad parts make it down the line.

As with all Stürtz PC controlled equipment, the latest generation of control software allows for remote, internet based diagnostics and troubleshooting. Our technical support staff can log into the machine remotely to speed troubleshooting and maximize machine uptime. The graphic programming capability makes adding or changing fabrication a simple process which can be performed by most customers with minimal phone support.



The Linear Pro line of machines is designed to offer high speed cutting and fabrication and close tolerances in vinyl window operations.

Judge's Comment:

"The Stürtz system consolidates multiple cutting, notching, punching and drilling operations in one fully-automated machine. It's definitely going to improve quality, accuracy and throughput while reducing per unit costs in the long term."

Window&Door

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