



AUTOMATION
SERVICE
INNOVATION

asi(M)¹

WALL EXTRUSION SYSTEM

FEATURES

Handles wall frame from 2x3 to 2x8, up to 30 ft long

- 16-ft long wall shorter version available

Wall frame height from 34 in to 146-1/2 in

Configurable stud nailing pattern, height by height

2000 to 3500 nail coil holder

Steel-reinforced polyurethane positioning belt ensures accuracy

Intuitive multilingual HMI in English, French and Spanish

Wall files read: EHX, Sapphire XML, WCD, ASI, BTL, BTLx, Alpine eShop

INCLUDES

Automatic nailing system simultaneously nailing top and bottom plates

Two (2) automated stops driven by servomotors pushing the frame gradually as the wall gets built

Multi-point lumber retaining and tightening system

Grippers at top and bottom plate ends to open up the frame when inserting studs and openings

One-level stud feeder, handling 2x3 to 2x8:

- Store and feed studs required to build the wall, position them in the right order
- Motorized with an automatic and a forward/reverse step by step manual mode

Two (2) CN100 pneumatic nailers, or equivalent:

- Handles nails from 2-1/4 to 4in in length; 0.099in to 0.148in diameter

Hybrid aluminum-steel structure

Five (5) Schneider Electric high resolution, high torque, high speed BMi/ILAT series servomotors

Planetary gearboxes with lifetime lubrication for increased efficiency and minimal maintenance

Thirty (30) feet conveyor section on the exit side for a larger buffer zone

- Twenty (20) feet for 16-ft long wall version

24 in Lenovo touchscreen with asi(m) software and ultra-intuitive human machine interface

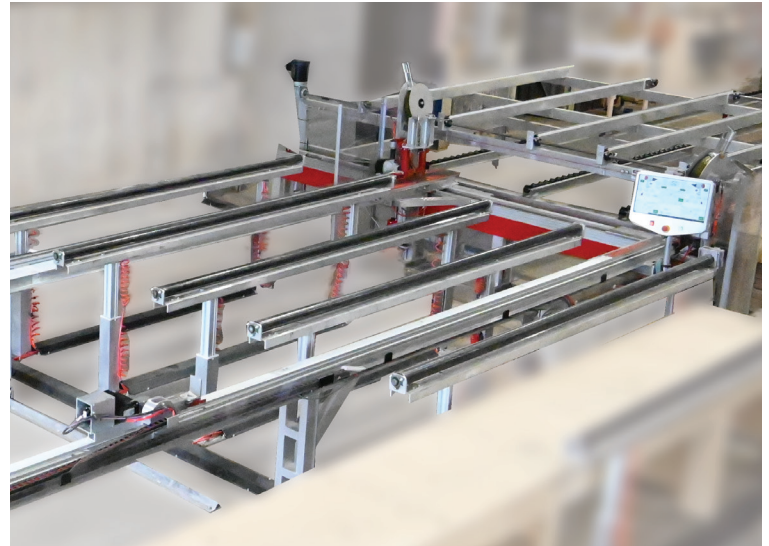
Easy axis by axis calibration

Manual & automatic modes

Real-time statistics compilation and error tracking, accessible via our customer portal

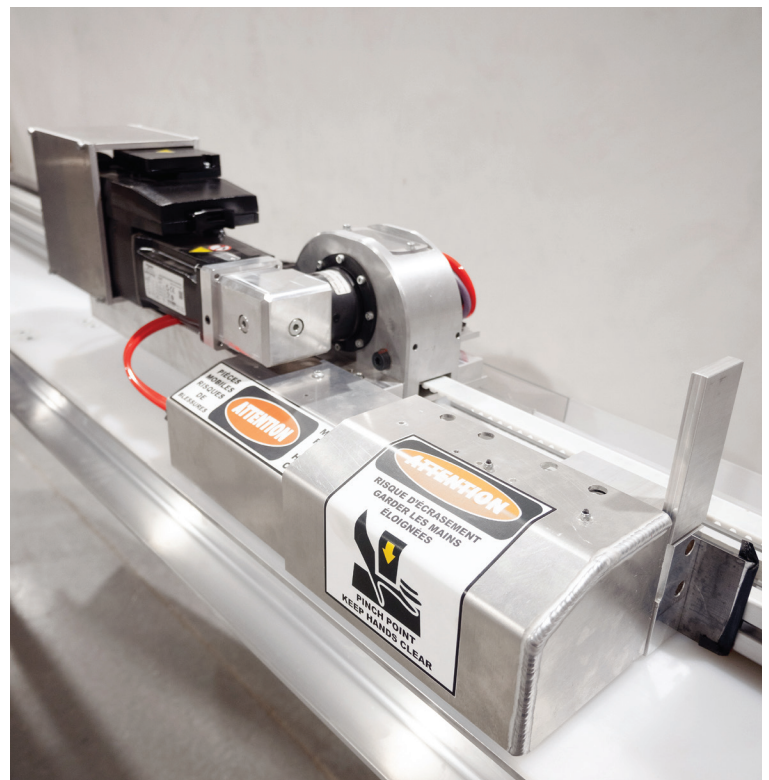
cULus approved control panel

Lifetime access to software updates



UP TO 160 LF PER HOUR*

*ACTUAL OUTPUT WILL VARY DEPENDING ON
THE PANEL DESIGN, EQUIPMENT CONFIGURATION
AND OPERATING PRACTICES





SAFETY FEATURES

- Category 3 high-end Schneider Electric XPSMCM controller
- Light bar across nailing area
- Safe Torque Off (STO)
- Emergency pull cord in front of the stud feeder
- HMI panel E-stops
- Nail guard wrapping each nailing area
- Safety zero energy shut-off valve at each nailing gun
- Air shut-down

OPTIONS

- asi(M)O pre-fabricated opening insertion module
- asi(M)2 Squaring-nailing-routing bridge module
- Wall side shifter → shifts wall from main line
- Laser for blocking alignment
- Double-deck automated stud lumber feeder
- Extended buffer zone
- Lot of critical spare parts
- Periodic maintenance program

