



AUTOMATION
SERVICE
INNOVATION

asi(M)¹

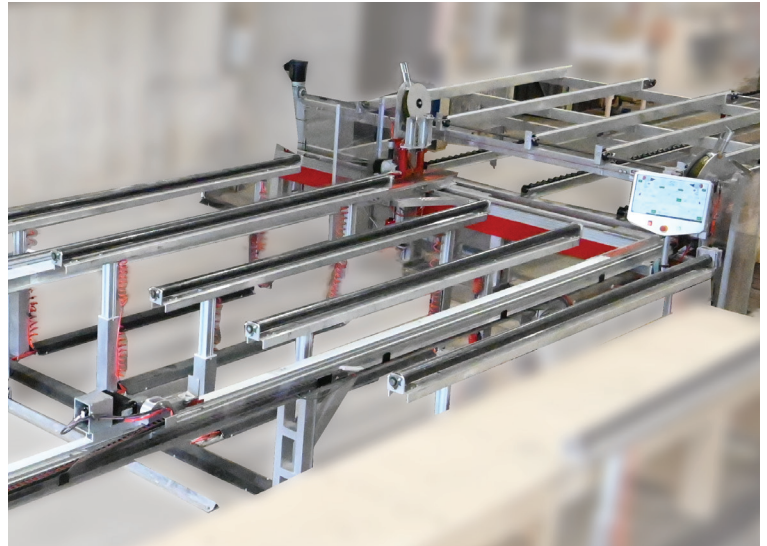
WALL EXTRUSION SYSTEM

FEATURES

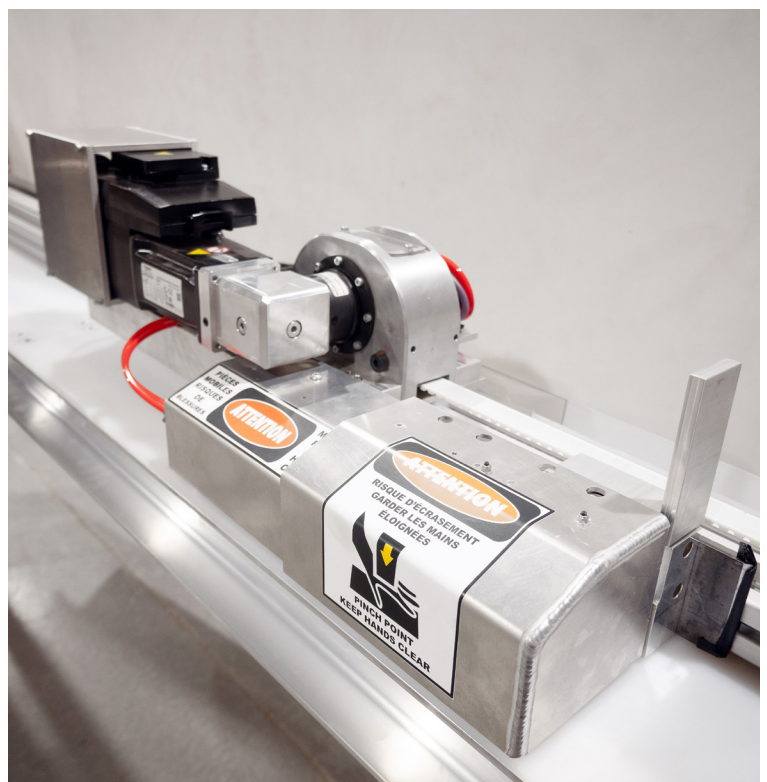
- Handles wall frame from 2x3 to 2x8, up to 30ft long
- Wall frame height from 34in to 146-1/2in
- 1 stud every 5 sec. dry cycle
- 1 stud every 12 sec. normalized cycle, w/o noggins
- Configurable nail location on studs, height by height
- Up to 3 nails per sec.
- 2000 to 3500 nail coil holder
- Intuitive Multilingual English, French and Spanish HMI
- Wall files read: EHX, Sapphire XML, WCD, ASI, BTL, BTLx

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 build
- Multi-point wood piece 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) MAX CN100 pneumatic nailer, or equivalent:
 - Handles nail 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 servomotors series BMi702P/ILA10572T
- 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
- 24in Lenovo touchscreen SSD computer with asi(m) software and Windows 11 Pro OS, c/w ultra-intuitive human machine interface
- Electrical control panel meeting cULus standards
- Easy axis by axis calibration
- Manual & automatic modes
- Lifetime access to software updates



16IN STUDS SPACING
100 TO 240LF
PER HOUR





SAFETY FEATURES

- Category 3 high end Schneider-Electric XPSMCM relay
- Light bar across nailing area
- Safe Torque Off
- Emergency pull cord in front of the stud feeder
- HMI panel e-stops
- Nail guard wrapping each nailing area
- Safety 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
- Laser for blocking alignment
- Double-deck automated stud lumber feeder
- Lot of critical spare parts
- Tempered glass industrial PC upgrade
- Periodic maintenance program

