



AUTOMATION  
SERVICE  
INNOVATION

asi(M)<sup>1</sup>

## 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
- Multilingual English/French HMI
- Wall files read: EHX, XML, WCD, ASI

### 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 up to 3.5in in length
- 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
- 20in Lenovo touchscreen SSD computer with asi(m) software and Windows 10 Pro OS, c/w ultra-intuitive human machine interface
- Electrical control panel meeting CSA 22.2 #14 standards
- Easy axis by axis calibration
- Manual & automatic modes



16IN STUDS SPACING  
100 TO 240LF  
PER HOUR





## SAFETY FEATURES

- Category 3 high end Schneider-Electric XPS relay
- Light bar across nailing area
- Safe Torque Off
- Emergency pull cord in front of the stud feeder
- HMI panel e-stops
- Polycarbonate nail guard
- 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.
- Spare parts tech box
- Periodic maintenance program

