



AUTOMATION
SERVICE
INNOVATION

asi[M]²

SQUARING, NAILING AND ROUTING BRIDGE SYSTEM

FEATURES

Handles frame made of 2x3 to 2x8, up to 30 ft long

- 16-ft long wall shorter version available

Max wall and sheathing height = 9-1/2 in

Wall frame height from 34 in to 148 in

Nailer tilts at +/- 5° for vertical sheet joints

Configurable nailing pattern:

- Independent settings in between studs and perimeter

Nailing speed adjusts to nailer capacity

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

Squaring and nailing automated system in one single module.

Gantry, nailer and router moving using servomotors linked to steel reinforced-belts for higher speed and precision

One (1) CN100 pneumatic nailer, or equivalent, to fix OSB / Aspenite and/or R4 insulating panels:

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

Numerical control of nailing height:

- Adjustable and recordable

Hybrid aluminum-steel structure

Eight (8) Schneider Electric high resolution, high torque, high speed servomotors BMi series

Planetary gearboxes with lifetime lubrication for increased efficiency and minimal maintenance

Thirty (30) feet exit conveyor

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

24 in Lenovo touchscreen SSD computer with asi(m) software and Windows 11 Pro OS, c/w ultra-intuitive human machine interface

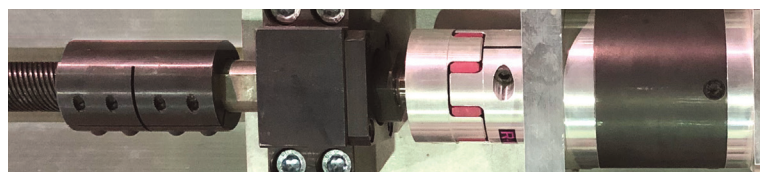
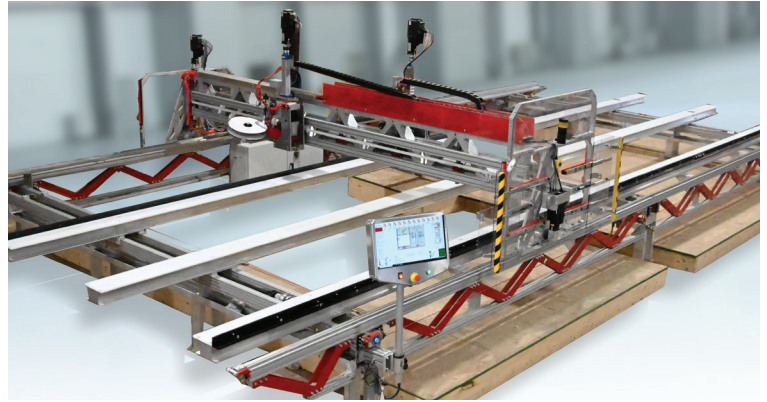
Easy axis-by-axis calibration

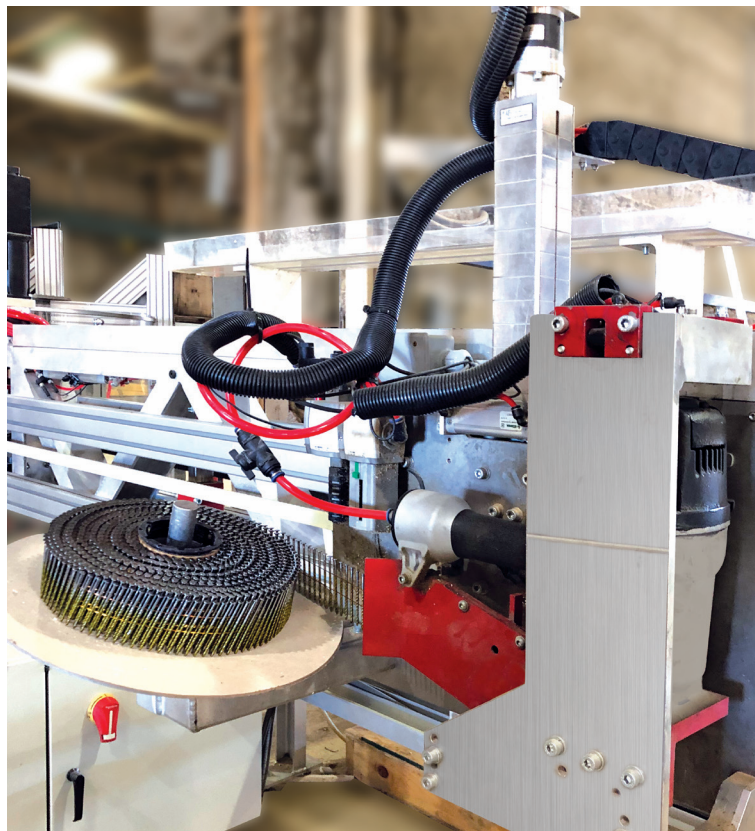
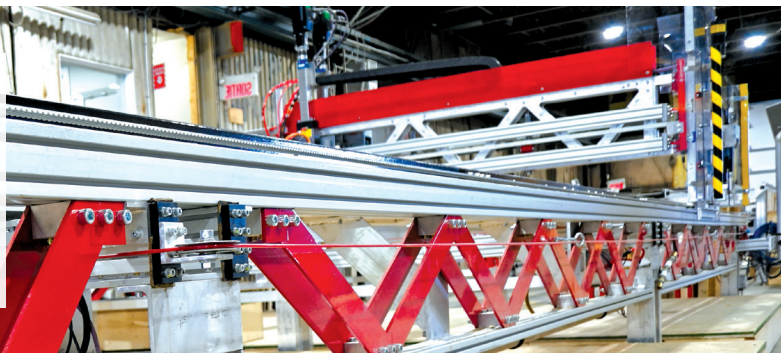
Manual & automatic modes

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

cULus approved control panel

Lifetime access to software updates





SAFETY FEATURES

Category 3 high-end Schneider Electric XPSMCM controller with manual acknowledgement

Gantry with light-bars on both sides for instantaneous stops

Safe Torque Off (STO)

Emergency pull cord all around the perimeter

HMI panel E-stops

Polycarbonate nail guard

Safety zero energy shut-off valve at nailing gun

Air shut-down



UP TO 80 LF PER HOUR*

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

CUTS OSB AT A SPEED OF 12 IN/SEC

OPTIONS

asi(M)1 wall extrusion module

Wall side shifter → shifts wall from main line

5 HP 380VAC/3PH 18 000 rpm router with solid carbide cutting tool :

- Cuts openings and wind braces
- Comes with a ball bearing to minimize possible damage at opening corners
- Pneumatic drill included to drill the approach hole for the router
- Drill mounted on a pneumatic axis

Supplementary monitor showing panel cut details

Extended buffer zone

Lot of critical spare parts

Periodic maintenance program



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