

Pryda Auto Wall Stacker

Roof

Wall

Floor

Sawing

Timber Jointing

Production Tools



- Automated wall frame stacking system
- Efficient “manless” operation
- Removes safety issues associated with frame stacking
- Suits medium to high volume wall frame plants
- Locally designed & built for long, external use
- Easily integrates with Pryda’s range of ancillary wall framing equipment

Pryda Auto Wall Stacker

Pryda’s innovation and equipment development has allowed this automated wall frame stacker to be the first of its kind for the Australian prefabricated wall frame market. A proven success story in various plants since 2001, this equipment has drastically removed the manual handling risks associated with wall framing production and improved productivity.

Its heavy-duty design can allow wall frame packs up to 1400kg to be handled with ease. Changes in wall lengths require no machinery adjustment and multiple frames can be stacked on one level in one simple process. Whilst the automated stacking function is happening, the operator can be working on finishing the next frame to be stacked.

The prefabricated wall frame is moved in along the Auto Stacker’s roller conveyors up to an end stop. This infeed process is continued until the desired total length of completed frames is inside the machine. With a simple push of the button, the frames are lifted and supported clear of the conveyors. This allows the next frame or frames to be moved in and stacked. This would continue until the desired pack size is completed. The completed pack can then be removed by forklift to the yard.

The lifting function is controlled by synchronised servo drive control to the correct position. Frame thickness up to 140mm can be automatically accommodated without adjustment. The added benefit of this equipment is no lost time in calling over another worker to help manual handle the frame or time-consuming exercise of using conventional lifting devices.

Wall height adjustment is effortless and as easy as a push of the button – the motorised drive does the rest! The Auto Stacker incorporates safety systems and guarding to provide greater safety to the production staff.

SPECIFICATIONS

		Dimensions	
Overall dimensions (std unit)	- length (overall)	mm	6150
	- width (overall)	mm	4300
	- height (overall)	mm	2050
Working height (std)		mm	950
Finished stack height (max. - std)		mm	700
Wall height range (std unit)		mm	1200 to 6000
Wall length range (std unit)		mm	2100 to 3600
Wall thickness		mm	70 to 140
Weight (approx)		kg	3000

Installation requirements

Power	415V, 3ph. 20 amps (5-wire)
Air	10 cfm @ 100 psi
Foundation	150mm level, sound concrete in both directions

RELATED EQUIPMENT

- Infeed roller conveyors
- Forklift offloading area
- Pryda production software