









pack

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## High productivity

Suitable for most plants, the telscopic chutes enable fast strap feeding for the Z20 head.

## Very easy to use

Intuitive, easy to use, icon-driven operator HMI for simple packaging programme changes.

## **Small Machine** footprint

Suitbale for plants lacking packaging area space, the small footprint enables simpler integration.

## Secure loads

Variable compression ensures compact and transportable loads for all lumber types.



## High-performance scissor press and lumber strapping station

#### Strapping made Easy

The well-proven LPS scissor press model with its, reliable technology and small machine footprint is suitable for many plants to process lumber products, quickly, easily and effectively.

#### Five reasons why the unique LPS-Z20 press covers most lumber customers needs

## Unique Z20 modular strapping head technology

The two-piece modular strapping units enable easy and fast service using simple tooling, plus they use few wearing parts for minimised TCO. Quick to remove modules from cradles allow being back-to-work is even faster, in less than 2 minutes.

#### Stable lumber packs

Using variable and accurate compression, each type of load can be compressed and strapped with less surface or edgedamage. Exact repeatable strap tension also ensures stable loads and less yard re-strapping

#### Reduced set up time

Strap loading and thread-up to the sidemounted Z20 modules is also quicker, easier and safer for operators for more machine uptime.

### Exact repeatable load compression

Depending on the product being strapped, planed or rough sawn products, the compression and strap tension can be adjusted to suit, ensuring all straps remain tight round the load.

#### Easy to use HMI system

The simple and intuitive HMI machine enables many formats and lovad packaging styles to be stored as standard.

















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## Bottom Batten Feeder Customisation

Depending upon the plant layout and packaging types it is possible to add bottom batten feeder units to the press from single compartment to multi-compartment magazine models. Robot batten loading options are also possible.

## HMI in machine electrical panel

Accurate real time control set-up and operational control, plus simplified machine servicing.





High-performance lumber scissor press and strapping station









Industry standard performance and reliability for higher productivity and lower ownership cost, in an efficient, cost-effective solution

#### **Batten feeder options**

The batten feeder and lifter option is available as a single or up to nine compartment version. It can handle varying lengths of battens. A further option is a robotic loader which takes battens directly from the pallet.

#### Z20 strapping head modules

The two piece, side-mounted modules use 16-19mm machine grade PET strapping. The sealer unit requires basic cleaning maintenance every 50-70.000 cycles and the feeder module with its five moving parts too.

#### Strap dispenser for coils up to 300kg.

Depending on plant layout dispeners can be suplied for single or mutliple coils for 75, 130, 300 kg coils of PET Polyester strapping. These enable higher uptime, and improved operator safety and the units can have up to 70.000m of strap.





## High-performance lumber scissor press and strapping station











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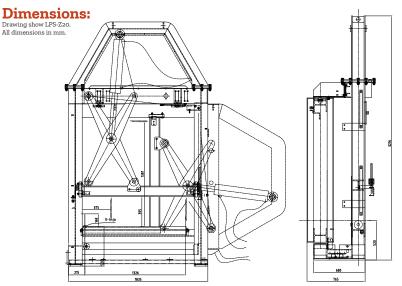
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LPS-Z20 Technical Specifications		
Strapping head	Side mounted	
Strap type	16 - 19 mm PET	
Top compression	Variable up to 7.5 tons	
Side compression	Variable up to 7.5 tons	
Compression cylinders	Hydraulic	
Chute type	Short strap chute flaps reduce cycle times on varying sized packs	
Electrical supply	400 VAC, 50 HZ, 3PE	
Power consumption	4,5 kW	
Control voltage	24 V DC	
Throughput	12 - 14 second strapping cycle	
Machine weight	Approx. 3.200 kg	
Package dimensions	See table	
Strap coil core	Inner Ø 406 mm Outer Ø 760 mm Width 190 -305 mm	
Control panel (HMI)	HMI integrated into electrical control panel	
Colours	Machine frame: Grey aluminium, RAL 9007 Electrical cabinet: Light grey, RAL 7035 Compression platen: Signal yellow, RAL 1003	
Min conveyor height	470 mm	

* Performance: Depends on chute and package dimensions,	conveyor speed, package distances and strap tension.
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<sup>\*\*</sup> If the package width is smaller than 800mm, the package must be moved on a fixed pass line of the conveyor max. 40 mm from the strapping head.

<sup>&</sup>lt;sup>+</sup>Additional package and chute dimensions are available on request.



Z20 Technical Specifications	
Strap Tension	890 - 4,450 N
Strap Type	Polyester
Strap Width	16 -19 mm
Strap Thickness	0,89 mm - 1 mm
Sealer Weight	21 kg
Tensioner Weight	33 kg
Sealing Method	Friction weld / Z-weld

Machine Type (Standard)		
Min. Package Height	450 mm	
Max. Package Height	1200 mm	
Min. Package Width	450 mm	
Max. Package Width	1200 mm	

#### **Standard Features**

- Heavy duty machine frame design
- Separate strap feed and tension modules
- Hydraulic compression drive vertical and horizontal cylinders
- Low-wear, stainless steel chute flaps
- Machine electrical control desk with integrated HMI
  - All functions can be selected via touch screen
  - Siemens TP1200 Comfort 8"
  - Simple and easy to understand menu structure
  - Available in different languages
- PLC Simatic S7-1200 Standard strapping programme Manual / Cycle / Automatic / Free passthrough
- "Strap coil end" pre-warning alarm

