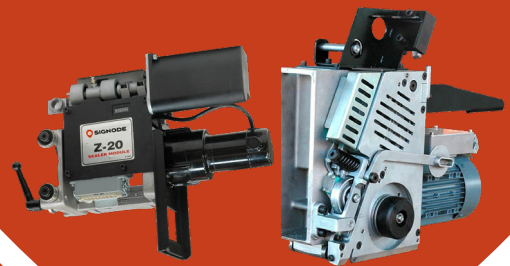


# LPS-Z20



## LPS-Z20

**High-performance lumber  
compression scissor press and  
strapping station**



### **High productivity**

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

### **Very easy to use**

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

### **Small machine footprint**

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

### **Secure loads**

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



# LPS-Z20

## High-performance scissor press and lumber strapping station

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

#### ■ Reduced set up time

Strap loading and thread-up to the side-mounted 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 load packaging styles to be processed as standard.

#### ■ 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 faster turnaround 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 edge-damage. Exact repeatable strap tension also gives stable loads, reduces loose straps on packs and thus less yard re-strapping time and costs.



#### **Solid stackable bundles**

Full width compaction arms ensure exact repeatable load compression every time on the load.



#### **Enhanced productivity**

Side mounted Z20 head for easy strap loading and simpler service to be completed at floor level.



PRODUCTS  
SERVICES  
INTEGRATION  
AUTOMATION



pack



bundle



unitize



warehouse



transport

## HMI control panel

Accurate real time control set-up and operational control, plus simplified machine servicing. Standard 6" HMI is integrated in to the machine plinth-type control panel.

## 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 to multi-compartment magazine models.



## Multiple flexibility

Flexibility for the production is possible with multi-machine configurations. Each unit is individually selectable. Top and/or side compaction can be selected and varied to suit each product to be packaged.



## Strap dispenser for coils up to 300kg.

From 70-300 kg coils of PET for more uptime, less coil changes plus much improved work safety.



## Systems visualisation

Equipped with its own controller, it can be integrated into a complete line. (12" HMI shown is an option).



# LPS-Z20

High-performance lumber scissor press and strapping station

PRODUCTS

SERVICES

INTEGRATION

AUTOMATION



pack



bundle



**unitize**



warehouse



transport



## Z20 strapping head modules

Modules can use 16 or 19mm machine grade PET strapping. The **sealer unit** requires cleaning only every 50-75000 cycles. The **feeder modules** with only 5 moving parts needs cleaning every 75000 cycles.



## Batten feeder options

Available as a single or up to nine compartment version. Handles battens of different lengths.



## Variable top and side compression

Suitable for all types of lumber, can be strapped both with and without compression if required.



## High-performance lumber scissor press and strapping station

- PRODUCTS
- SERVICES
- INTEGRATION
- AUTOMATION



pack



bundle



unitize



warehouse



transport

## LPS-Z20 Technical Specifications

Strapping head	Side mounted
Strap type	16 - 19 mm Tenax® / Tenax-E PET Polyester
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 kVA
Control voltage	24 V DC
Throughput	12 - 14 second strapping cycle**
Machine weight	Approx. 3.200 kg
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: Black aluminium, RAL 9005 Electrical cabinet: Light Grey, RAL 7035 Compression platen: Signal Yellow, RAL 1018
Min conveyor height	470 mm

\* All tons refer to metric tons.

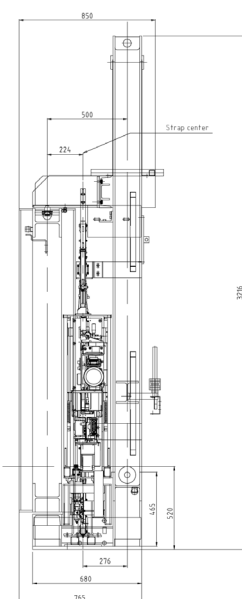
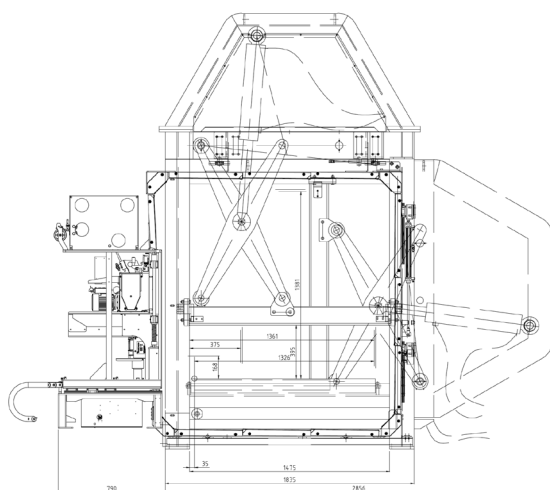
\*\* Performance: Depends on chute & package dimensions, conveyor speed, package distances and strap tension.

\*\*\* If the package width is smaller than 800mm, the package must be moved on on a fixed pass line of the conveyor max. 40 mm from the strapping head.

Additional package and chute dimensions are available on request.

### Dimensions:

Drawing show LPS-Z20.  
All dimensions in mm.



## Z20 Technical Specifications

<b>Strap tension</b>	890 - 4,450 N
<b>Strap type</b>	Tenax Polyester
<b>Strap width</b>	16 or 19 mm
<b>Strap thickness</b>	0,89 mm - 1 mm
<b>Sealer weight</b>	21 kg
<b>Tensioner weight</b>	33 kg
<b>Sealing method</b>	Friction weld / Z-weld

### Package Dimensions (Standard)

<b>Min. package height</b>	450 mm
<b>Max. package height</b>	1200 mm
<b>Min. package width</b>	450 mm***
<b>Max. package width</b>	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