

LPE-Z20

PRODUCTS
SERVICES
INTEGRATION
AUTOMATION



pack



bundle



unitize



warehouse

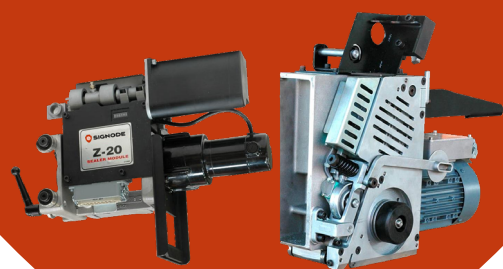


transport



LPE-Z20

All-Electric lumber compression and strapping station



Greater productivity

Fast, all-electric operation, means reduced service needs and costs versus hydraulic systems.

Very easy to use

Intuitive, straightforward, icon-driven operator HMI for simple packaging programme changes.

Large CO₂ reduction

Environmentally friendly, uses less energy, produces up to 27 tons less CO₂ / yr over the machine lifetime.

Lower energy needs

Electrical power is used only when in operation and saves from 50.000 to 75.000 kWh per annum.

LPE-Z20

All-Electric Lumber Press

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LPE-Z20 Technical Specifications

Strapping head	Top mounted modular strapping head Z20
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	Electrical with 3 kW drive motors
Chute type	Short chute flaps permit feeding of strap at any height
Electrical supply	400 VAC, 50 HZ, 3PE
Power consumption	6 kVA
Control voltage	24 V DC
Throughput	10 - 12 sec strap application cycle**
Machine weight	Approx. 3,900 kg
Strap coil core	Inner Ø 406 mm Outer Ø 760 mm Width 190 - 305 mm
Control panel (HMI)	Free standing HMI control panel, 6 m cable length
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

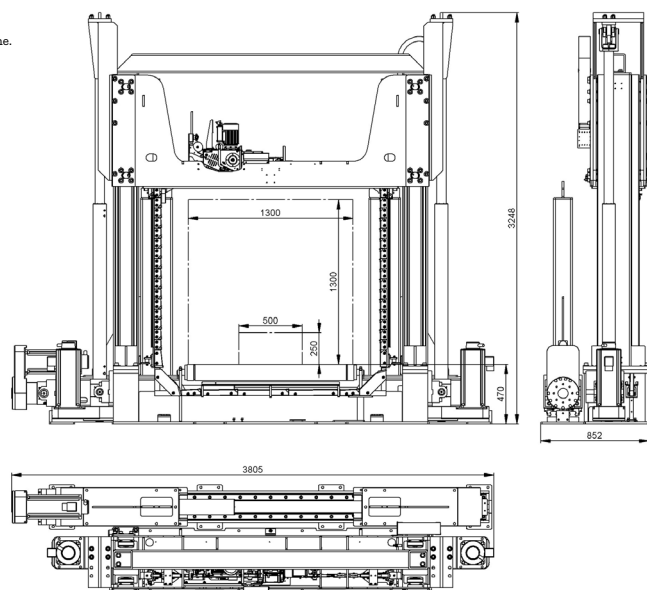
** Performance depends on chute & load dimensions, package distance and strap tensions, indexing time of load is in addition.

*** If the package width is smaller than 800mm, the package must be moved on the centre line of the conveyor system.

Alternative chute dimensions available on request

Dimensions:

Illustrations show LPE-Z20 machine.
All dimensions in mm.



Z20 Technical Specifications

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

Package Dimensions (Standard)

Min. package height	250 mm
Max. package height	1,200 mm
Min. package width	500 mm***
Max. package width	1,200 mm

Standard Features

- Heavy duty machine frame design
- Separate strap feed and tension modules
- Electrical compression drive cylinders, twin vertical and single horizontal cylinder
- Low-wear, stainless steel chute flaps
- Free standing HMI control panel
 - All functions can be selected via touch screen
 - Siemens TP1200 Comfort 12"
 - Simple and easy to understand menu structure
 - Available in different languages
- PLC Simatic S7-1200
 - Standard strapping program
 - Manual / Cycle / Automatic / Free passthrough
- Interface, signal exchange via potential free contacts or Profinet. All safety signals via potential free contacts
- "Strap coil end" pre-warning alarm