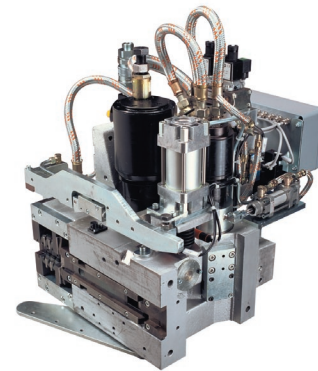
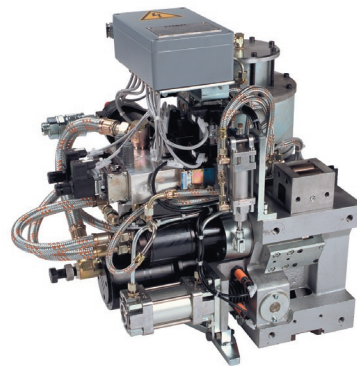


The VS-31 is the ideal strapping head for all medium-heavy and heavy packaged products, particularly for the steel and metal industries.

The VS-31 combines the most modern driving and control technology with the very latest developments in the 'No-SeaI-Joint' technology.

The strapping head VS-31 satisfies German and European safety requirements and fulfills the stipulations of the following EC directives:

- Machine directive 89/392
- Low voltage directive 73/23
- EMV directive 89/336



All functions are initiated by electromagnetic valves. The valves can be optionally fitted with control valves for the following voltages: 24 V DC (direct-current voltage), 240 V AC, 120 V AC, 50 Hz (alternating-current voltage).

The power input of the magnets is 12 W at 24 V DC.

The starting current is 22 VA and it is 15 VA with 240 or 120 V AC.

The mains voltage for the Vs-31 head is 400 V 50/60 Hz.

The strapping can only be opened with suitable tools (strap cutter or similar tool). The joint efficiency is approx. 85% of the strap breaking load (depending upon the strap quality, dimensions as well as the number of notches).

The strapping tension is adjustable to between 2.000 and 17.000 N so that it can be easily matched to the type of packaged product that is to be strapped.

The strapping head is available for strap widths of 19, 25 and 32 mm, i.e. for joints of three or two notches.

The power and compressed-air supplies are both fitted with a single quick release coupling.

The strapping head can be mechanically linked with the machine by three different seat-engaging surfaces (depending upon the given application) with four hexagon screws. The head can be quickly and easily exchanged after the four screws have been released and the current and

compressed-air connections have been uncoupled.

Two compressed-air motors and two compressed-air cylinders perform all functions of the strapping head.

Only dewatered, filtered and oiled compressed-air must be used. The compressed-air pressure (flow pressure when the transport motor is switched on) must be 5 bar. The cross-section of the supply line must not be less than 18 mm in dia.

Air consumption per strapping operation at a channel size of 2.000 mm x 1.000 mm is 0.180 Nm³.

Consumption for strap feed amounts to 0.17 Nm³/sec. Short-term peak consumption is 2.5 Nm³/min.

TECHNICAL DATA

Drive mode:	Electropneumatic 2 motors and 2 cylinders	Weight:	200 kg.
Strap feed speed:	1.7 m/sec.	Noise emission:	85 dB(AS) sound pressure level according to DIN 45635 part 27
Steel strap:	widths: 19, 25, 32 mm thicknesses: 0,8-1,0 mm, Megaband to 0,8 mm	Dimensions:	L 600 x W 610 x H 616 mm
Joint:	Clamp-joint, 3 notches Joint breaking load approx. 60% (2 punches) Joint breaking load approx. 85% (3 punches)	Min. pack dimensions:	straight pack lengths min. 200 mm round pack lengths 0 min. 1000 mm
		Strap tension:	2.000 - 17.000 N adjustable
		Air pressure:	5 bar (max. 6,5 bar)

