

SWORD PIERCING ANGULAR TOP STRAPPING MACHINE



Main components of vertical strapping machine

High performance friction strapping head

Basic machine frame with two columns and cross beam, the lift motor drive by converter, runs more smoothly

Strap tension equalizer device, balanced each corner force

Independent strap band dispenser equipment with liner ball guide slide, electric magnet brake, buffer system, avoid damage strapping band

Lance system made with aluminium profile, control by converter, more reliable and no need maintenance

Based on SIMENS S7-200SMART electric control system and control panel, independent control cabinet is available

| Strapping parameter | | |
|---------------------------------|---|---|
| Items | Date | Note |
| Machine size | | Can be customized according to requirements |
| Power | 3000W | |
| Power supply | 3P5L AC 380V/50Hz | |
| Press air consumption | 100NL/min; 0.45-0.6Mpa | |
| Gross weight | 1620kg | |
| Net weight | 1268KG | |
| Scope of pallet lode size | 1300*1050*1900 | |
| Minimum cargo height | 500mm | |
| Strapping force | 200-250KG (200-2500N) | |
| Band material | PET | |
| Band type | Width: 12、16 Thickness: 0.55-0.8mm | |
| Joint type | Friction welding /85% | Interface strength depends on strap quality |
| Lance drive type | Electric | |
| Strapping cycle time | 35 P/H | Efficiency per unit |
| Tape spacing | Customized on demand | |
| Lance height | According to the production line height | |
| Joint position | Top | |
| Belt feeding position | Any height | |
| section size | 60*51 | |
| Interface | Ethernet | |
| Angle guard specification | 50*50*5*150 | |
| Angle retaining bin capacity | 60pcs | |
| Angle guard placement deviation | ±10mm | |

Why choose us?

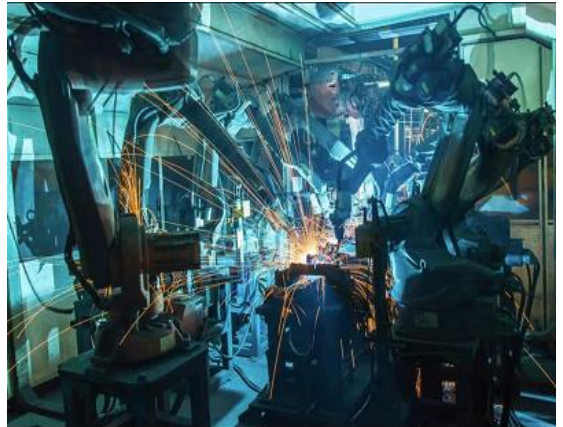


Movement

- Independent research and development
- Life span over a million times
- Binding strength can be adjusted automatically
- Modular design
- Don't pick the straps


Process

- Quality control from the supply chain to the client
- Single piece flow lean production model
- Strong own supply chain and supporting supply chain
- Designed to meet the needs of different models

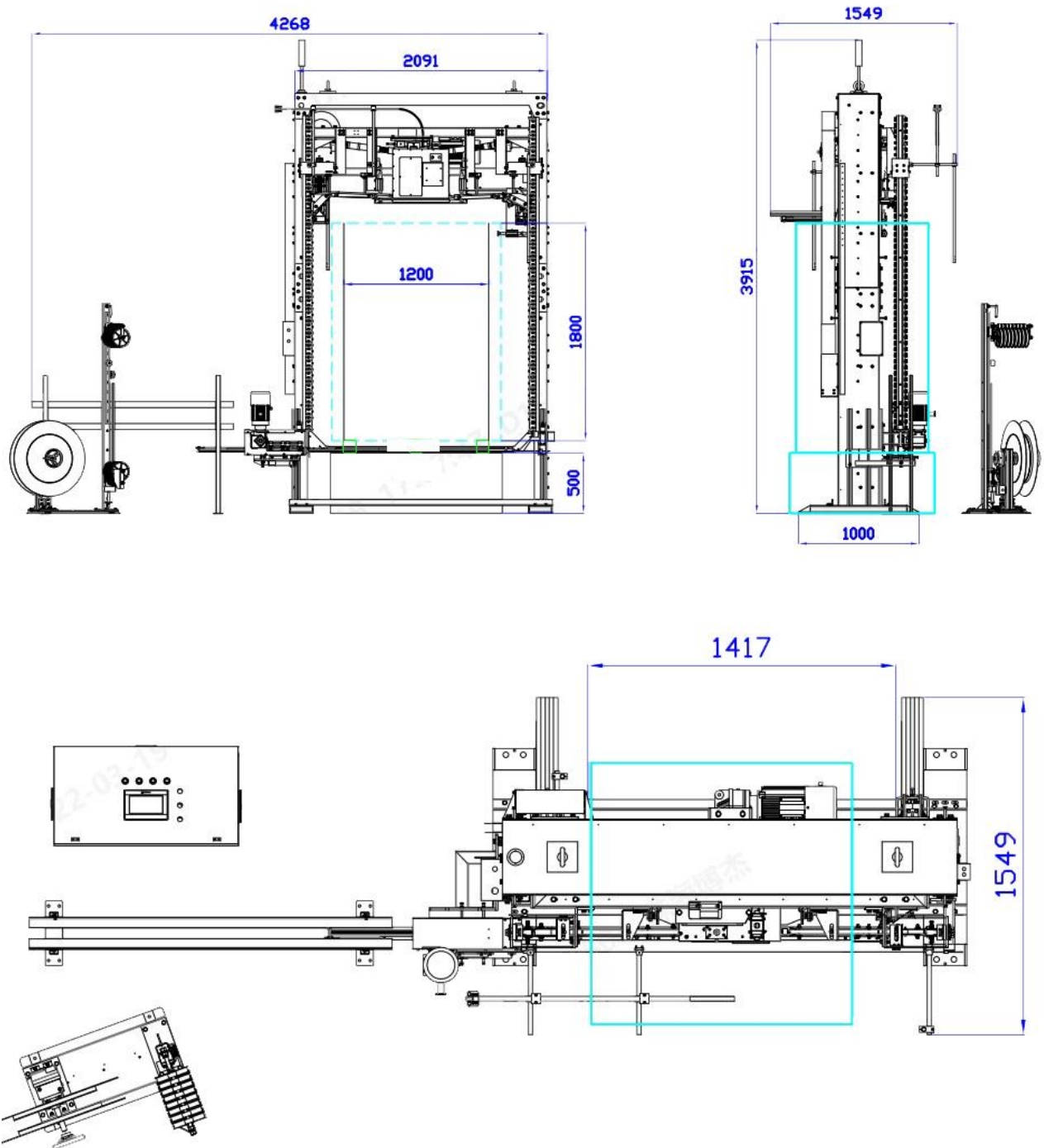


Service

- Professional maintenance team is 18 hours away
- Parts will be delivered within 72 hours
- Professional construction and installation team and staff training
- Delivery within 40 days from the next day



Technical data

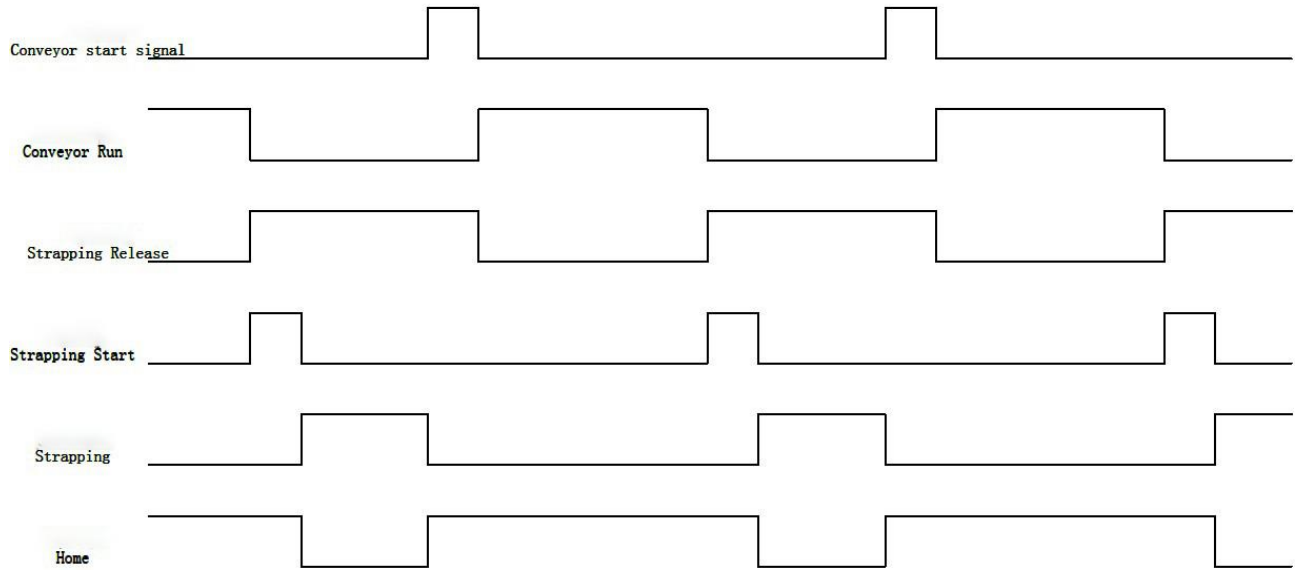


Sequence of operation

1. The package is conveyed into the strapping position.
2. A volt-free signal is given from customer's control system to the horizontal strapping machine.
3. The carriage with strap track module and strapping head moves downwards to the first pre-selected strapping position.
4. The strap is fed around the track, the head and the strap track guide travel to each side of the package.
5. The strapping cycle is started. The strap is pulled back, tensioned, sealed and cut off.
6. Head and strap track guide retract and the carriage moves to the next strapping position.
7. Further straps according to pre-selected teach-in program.
8. After completing the programme, the machine sends a volt-free signal back to the conveyor control system to transport the load out of the machine.

Sequence Diagram

Sequence diagram for customer



Exchange Signal

