

SX-100T BONELL SPRING TRANSFER LINE



Speed : 90-100 springs/min

Specs

Max Width	2M
Spring End Ring	$\Phi 65 - \Phi 72$ MM $\Phi 75 - \Phi 90$ MM $\Phi 82 - \Phi 92$ MM
Spring Steel Wire Gauge	$\Phi 1.9 - \Phi 2.4$ MM
Helical Wire Gauge	$\Phi 1.4$ MM
Spring Height	100-200 MM (<100MM on request)
Convolutions	5-6 Turns
Total Power	30 KVA
Weight	5355KG
Power Requirement	380V,3 Phase,50-60HZ (Option: 415V-480V, 220V)
Air consumption	10M ³ /H

SX-100T

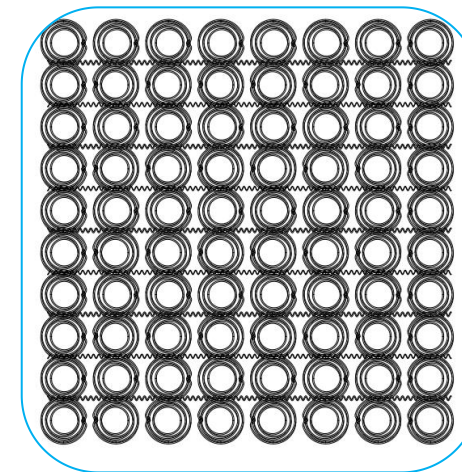
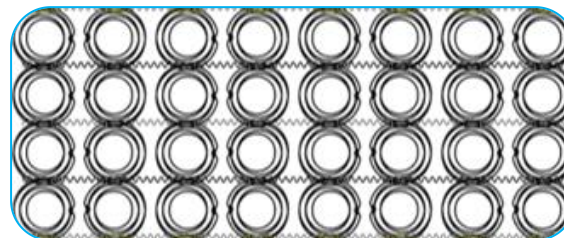


ITEMS	SX-100T
Speed	90-100 springs per min
Spring units	1. Patent design--Face to face assembly 2. Standard one 3. Patent design--One row of spring knots face all left The next row of spring knots facing right Can promise the deviation of diagonal line less than 1cm
Servo motor	18 servo motors+drivers Brand: Taiwan Delta Wire feeding is very stable, the response is very fast
Digital Coiling head	Fully digital, with smart size change system, very easy to change the spring size such as diameters, height ,pitches etc
Change spring units size from 1.8m to 1.5m	No need to remove the pushers, No need t adjust any angles of the pushers because of the height change
Spring transferring	Springs distance in the belt is contorleld by the PLC
Height ajust in the transfer & assembly part	Electronic up or down
Jaws	Patent design -with positioning guide, reduce failure rate
Heat-treatment	Air-control, performance better
Belt transferring	double-layer wide belt, simple structure to push the springs, the springs is not easy to fail



SX-100T UNIT ADVANTAGES

- **Patent design**--Springs able to assembly face to face
- Patent design**--One row of spring knots face all left
The next row of spring knots facing right
Can promise the deviation of diagonal line **less than 1cm**



Advantages:

- ✓ The springs are assembled face to face, so when you press on the unit, the gravity is downwards vertically, the unit won't incline sideways.
- ✓ When you jump on this face to face units, you feel more stable and more relaxed.
- ✓ Good for roll packing.

Traditional machine(SX-820I) produce only in one way(knots all to one side)

For mattress units, it will make a very big difference.

But for sofa units, it does not show much difference.

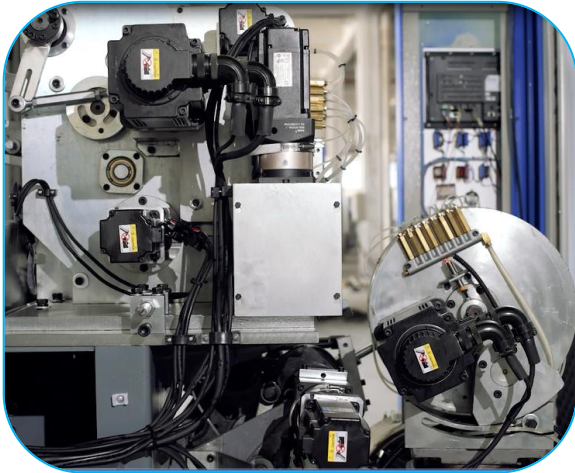
We have patent in this face to face units,

Patent No. ZL201820849577.3

which means only the company who bought our machines can produce this face to face, this is also your sales point.

SX-100T ADVANTAGES

18 servo motors on SX-100T,



Digital Coiling head

Fully digital, change the coil parameters by computer same as pocket machines
Can save 30 types of raw spring shapes in the computer.





SX-100T ADVANTAGES

Size change-over is more user-friendly:

- When change spring units size from 1.8m to 1.5m, there is **no need to remove the pushers**.
- **No need to change the pushers** when spring height changes, which can be used when spring height is between 100mm-200mm.



The distance between springs in the transfer belt is controlled by the PLC, which locate accurate position of springs.





SX-100T ADVANTAGES

Height adjust in the transfer & assembly part

Electronic up or down



Patent Design--Jaws

SX-100T With positioning guide, helical wire run more smoothly, reduce failure rate



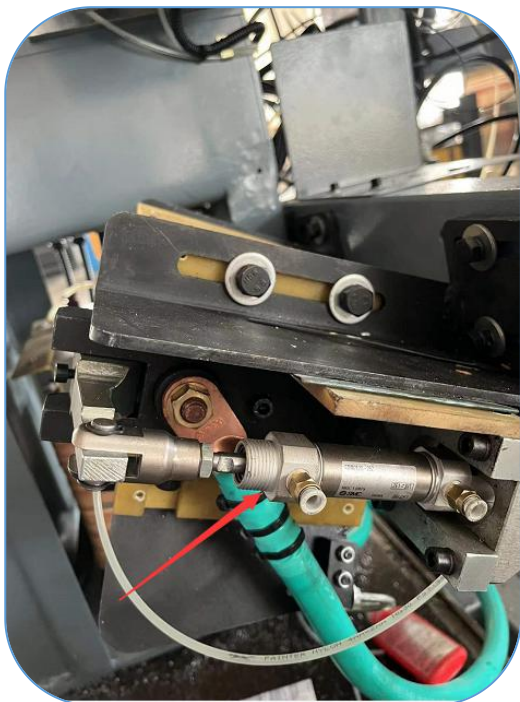
The latest generation of Jaw, with unique positioning guidance, not easy to touch the spring, with low failure rate. The Jaws are made of special materials and has a long lifetime.



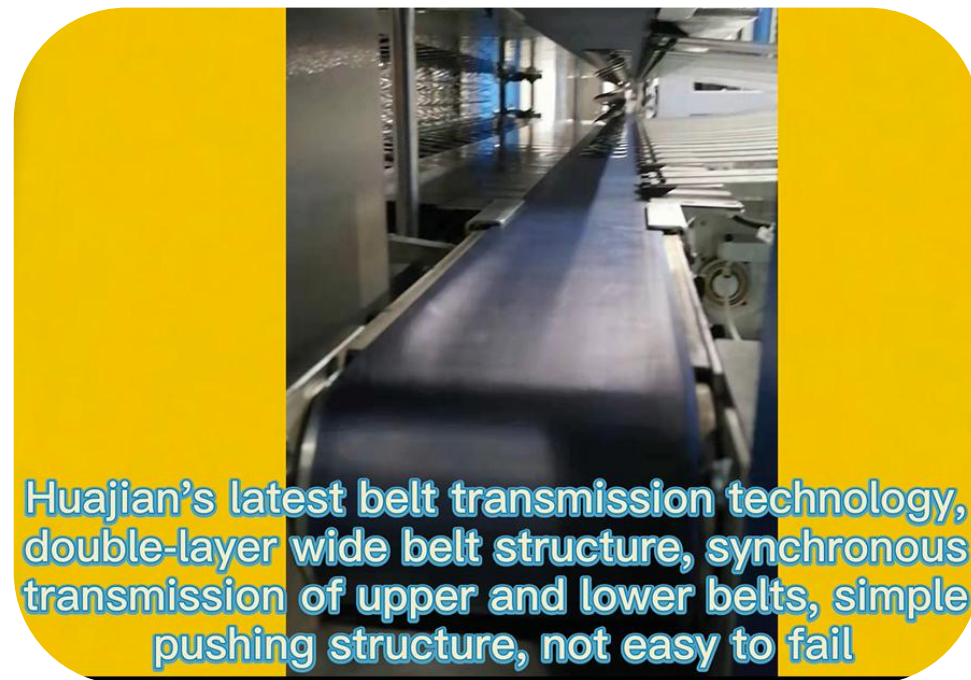
SX-100T ADVANTAGES

Heat-treatment control:

Air-control, performance better, very little sparks,
the heating quality can be promised



Belt transferring



Huajian's latest belt transmission technology,
double-layer wide belt structure, synchronous
transmission of upper and lower belts, simple
pushing structure, not easy to fail



SX-100T MASS PRODUCTION

60 pcs of machine one batch





SX-100T Floor plan

