

## HSG-G2S

### Description:

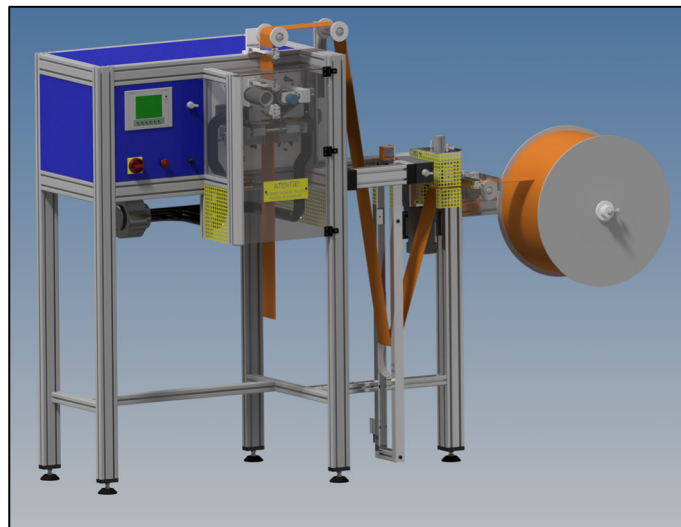
With our thermal cutting system, synthetic belts, tapes and ropes can be cut to length and belts can be perforated.

Directly heated cutting edges, without a heating cartridge, separate by heat and fuse the edges in one operation, preventing fraying.

The fixtures and machines are constructed according to a modular system and can thus be adapted to individual requirements and wishes due to the versatile combination possibilities.

Depending on the type, width and thickness of the belt, the diameter of the ropes and the number of pieces, we can offer different devices and machines.  
We manufacture handling devices on request.

The functional sequence of the machines is fully automatic: taking off material from the reel or from the barrel, length measurement, number of pieces measurement, cutting etc.



HSG-G2S with pre-feed system

For thermal cutting we have 3 cutting arrangements depending on the material and type of ropes, belts or tapes:

- Cutting (punching) on a support (belts);
- Two cutting against each other without underlay (belts, tapes, cords and ropes);
- Cutting with a groove and pressing (ropes);

HSG-GE  
HSG-G2S  
HSG-G, HSG-S

### Additional equipment:

Additional equipment can be integrated into the machine on request according to customer-specific requirements. The following additional equipment can be integrated:

- Shaped cuts
- Perforation cuts
- Multiple cuts are possible below definite premise
- With pre-feed system for elastic material
- Console for the machine – height can be selected
- Pressing device
- Swivel device for alternative rectangular/diagonal cut with adjustable cutting-angle
- Marking device
- Printing device
- Coiling if required
- Uncoiling if required
- Pressing device

### Technical Data:

Control:	Control-Panel (OP)
Conveying speed:	0 - 50 m/min. infinitely adjustable
Movement of blade(s):	Pneumatic
Belt width:	50 - 100 - 150 - 250 mm (depending of type)
Belt thickness:	5mm max.
Rope diameter:	20mm max.
Length measure:	1mm - 1000m, adjustable by the mm
Indicator:	Digital.
Piece counter:	Total number can be programmed, machine stops operation when set number has been cut. Separate indication of pieces to cut in total and already cut pieces during operation.
Operation:	Fully automatic, machine stops at end of fabric flow or malfunction.
Cutting element:	Electric direct heated blade.
Control:	Programmable controller (PC/SPS).
Heating time:	In approx. 30 secs. to 600°C.
Temperature:	100 - 600°C. infinitely variable.
Voltage:	230 Volt - 50/60Hz (110Volt-60Hz)
Power input:	800 VA
Air pressure:	6 bar
Dimension:	approx. 1300 x 1250 x 460mm (w x h x d) depending on type.
Weight:	approx. 80 kg; depending on type

### Scope of delivery:

- 1x HSG-G2S
- 1x Operating instructions with Declaration of Conformity