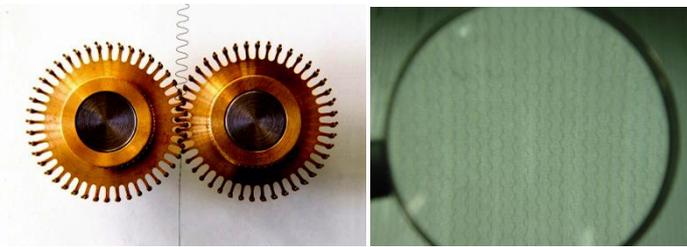




Table Type Machines for wiring of heating fields

With laminated glass raises the possibility to embed heating fields in glass products. These heating fields usually consist of very thin tungsten wires, which are placed on the interlaying PVB film. Busbars connect the wires and connectors are used to connect the busbars and wires to the electric power supply. Hamacher designs and delivers since many years machines to glass industry, which place those wires on the PVB.

With the patented pinwheel technology, the wires are formed to wiggle wires and glued to the PVB film.



The PST machine type is mainly designed for low to mid volume production with very flexible field geometries and very fast product changes. This machine mainly consists of a table and one moving wire laying head.



The PVB sheets are placed on the table and held by vacuum. The head holds the tungsten wire spool, forms the wiggle wire with the pin wheels and applies it with a special heating roller to the PVB surface. The head performs movement with two linear and one rotary axes. It is fully CNC programmable and therefore not constrained to any field geometry. A main advantage of this machine type is that the machine is able to fulfill a curve after the busbar and therefore no remaining wires have to be removed after the wiring process ends.

Technical specifications:

Product:

PVB sheets with heating wires without geometrical restrictions

Table width:

Up to 2m

Table length:

Up to 3m

Wire:

Tungsten wire down to 16µm

Wire peak-to-peak amplitudes:

Up to 1.5mm

Wire wave length:

From 0.5 to 5mm

Mean laying speed:

Approx. 10m/min

Programming

Full programmable CNC Contours

Contact:

Hamacher Maschinenbau GmbH

Warmweierstraße 50

52066 Aachen

Germany

Email: info@hamacher-maschinenbau.de

Phone: +49 (0) 241 94683 0