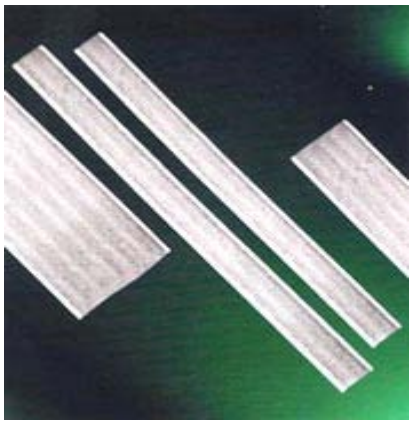
St 707 strips

The use of strip is a good option for those installations where the vacuum chamber is narrow and therefore with a very low conductance, such as in particle accelerators as well as in steam injection systems. Thanks to its customised configuration ST707 Strips are also the ideal solution for tailor-made laboratory vacuum systems.



The St707 Strip consists of SAES St707 powder deposited and fixed on both sides of a thin continuous metallic strip. The powder is firmly attached to the strip by cold compression bonding, without using any type of chemical binder.

The thickness of the getter layer is about 70 micrometers on each side of the strip. The powder retains a relatively high degree of porosity (surface area of 1500 cm^2/g) to ensure high gettering performance.

The continuous St707 Strip can be cut and suitably bent by the user to adapt to the specific application.

Activation by passage of current though the strip is possible, as well as passive activation during a bake-out process.

Some of the available formats are reported in the following Table.

	Base Material	Strip Width (mm)	Getter Material Weight (g/m)	Max Temp under Vacuum (°C)
St707/CTAM/30D	Constantan (55% Cu-45% Ni) Amagnetic	30	20	700
St707/CTS/NI/8D	Nickel Pleated Iron Magnetic	8	3,6	900

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