

Process Belt Systems Continuous Sheet Casting

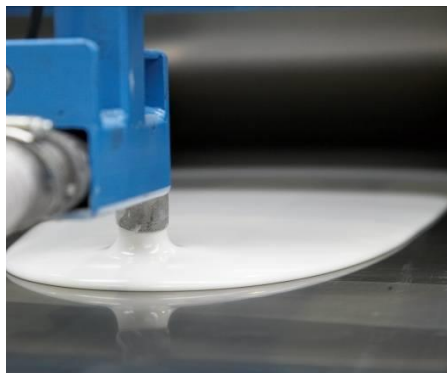


A unique system for the continuous production of massive plastic sheets.

Solid Surface can be applied in kitchens and bath rooms, and for a series of commercial and industrial purposes, from check-in desks to check-out counters, from office furniture to signs.

In order to comply with the increasing demand for Solid Surface, Esico has developed a unique system for continuous sheet casting.

This special sheet casting belt system is suitable for the continuous production of massive plastic sheets in various thickness, widths and lengths. Thanks to the sophisticated construction highly qualified, massive plastic material can be produced



with less personal and material costs.

Carefully developed and controlled processes take care

Resins and other materials are mixed and distributed over the stainless steel belt, after which they harden on the belt.

The layer thickness is automatically determined and fixed by a PLC program.

that all products undergo the same treatment, with optimal use of energy.

An end product with a constant, high quality is guaranteed this way

Together with you Esico engineers will develop the optimal process.

Esico delivers tailor-made machines. Therefore capacity and dimensions will depend on your product and specific requirements.

For special products cooling zones can be adapted to enable a good cooling process.

Process Belt Systems

Continuous Sheet Casting

The belt system is brought and kept on the ideal process temperature by means of a well thought-out heating system.



A system especially designed for this purpose takes care that the silicon profiles make a right contact with the belt. Moreover, it prevents the system from contaminating.

Silicon profiles bound the product in the liquid phase. The silicon profiles can be simply adjusted in width by means of a hand wheel. In this way the production of sheets in various widths can be read from a display

Surface and material of the belt play an important role. Stainless steel belts with extremely good chemical resistance qualities are very suitable for these purposes.

These belts do have:

- an extremely good heat and pressure transfer
- high strength characteristics
- a good corrosion resistance

Technical details:

- Thickness 6 to 30 mm
- Width 600 to 1000 mm



Using a saw, the endless produced sheets are cut to the desired length. The saw is mounted directly behind the belt system.

A mechanism claps to the moving sheet so the saw is moving together with the sheet while cutting it.

Technical data:

Sheet width	:	600 – 1,350 mm
Sheet thickness	:	30 mm Max.
Sheet length	:	2.050 – 5.350 mm
Cutting speed	:	4 Meter/ Minute