LARIO ENERGY

S&C SYSTEMS

ENCLOSED HOODS

HEAT RECOVERY

SHEET STABILIZERS

LARIO ENERGY

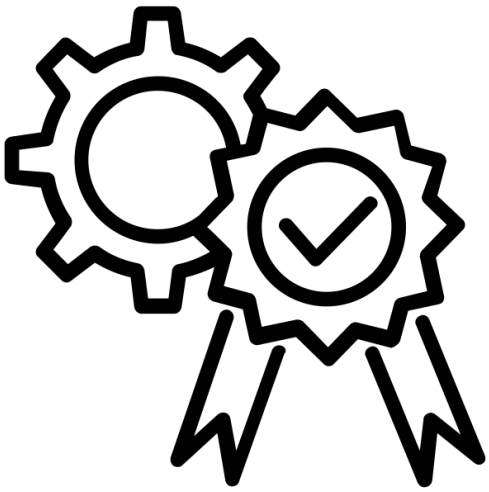
Since 1985, more than 140 hoods

LARIO ENERGY

Why should I choose LARIO ENERGY ?

Energy saving

- Reduction of drying section steam consumption up to **15%**
- Greater efficiency of the heat recovery system
- Less electrical consumption of extraction fans, thanks to a lower air flow required



Production improvement

- More uniform transversal profile of the paper
- Better distribution of moist air inside the hood

Better working conditions

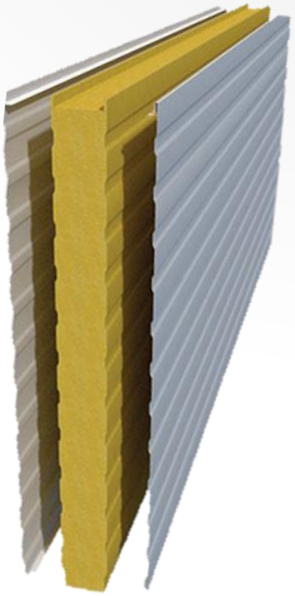
- Reduction of heat losses towards the machine room
- More comfortable environment, with less noise and less dust
- Greater safety for operators

Assembling and maintenance

- Quick assembly and easy maintenance
- Excellent accessibility for maintenance operations, even on particularly high machines
- Very long life thanks to the use of high-performance and corrosion-resistant materials, such as stainless steel and aluminum alloys.

The secrets of our hoods' success...

Panels



To achieve high levels of **thermal insulation**, **noise reduction** and **durability**, the choice of insulated panels is crucial. Roof and side panels have a thickness of 100/150 mm with high-density rock wool core, which guarantees excellent insulation, high stiffness and fire resistance.
To prevent the accumulation of dirt, the external sheet has a vertically micro-ribbed finishing. It can be supplied in aluminum or stainless steel, for greater impact resistance.
Both the roof panels and the side panels are mounted without screws and **can be easily removed** using the bridge crane
Side panels are not in contact with the support frame but separated by silicone gaskets.

Roof lowering

This is one of the most critical parts of the hood due to the harsh conditions. Our lowering, made of stainless steel, is equipped with a triple wall and hot air is blown inside to prevent condensation. It is perfectly waterproof and has a gutter for collecting and draining water.

Roof and False ceiling

The **roof is completely walkable** and safely accessible thanks to the perimetric handrail. If the space is not enough for the handrail, a safety-line is installed.
a precise and effective **regulation of the air sucked** in the different areas of the hood is possible thanks to our suction ceiling, made totally in aluminum and equipped with regulating dampers, in extruded aluminum alloy. The system is designed to maintain a negative pressure in the false ceiling, avoiding leakage of hot air from the roof
All the components are mounted without screws. This makes assembly very quick, as much as maintenance and cleaning operations.

Lifting doors

Our lifting doors on service side are built entirely in un-welded aluminum alloy profiles and they are equipped with large shatter-proof glass windows along the entire length, to allow operators to **keep the process under control**. They can be up to 20 meters long and have no intermediate columns. The normal height of the doors is 2.2 meters but can be increased up to 4.0 meters if the situation requires it. This allows to **operate easily on the machine**, without obstacles that hinder and slow down the work
For us, **security**, before a requirement, is a value of primary importance. This is why our lifting doors are equipped with four safety systems that intervene in case of rope breakage or winch malfunctioning and prevent operators from being accidentally crushed or closed inside the hood.

No cold spots and no air drafts

To avoid dripping, it is very important that there are no cold spots or drafts coming from the outside of the hood. For this reason, our hood is carefully designed to **minimize thermal bridges**. Moreover, hot air is blown inside all tubular profiles that form the frame to prevent condensation, and **air blades** retain moisture inside the hood at the entrance and exit of the paper, also avoiding the access of cold air.

Integration with heat recovery system and web stabilizers

Our know-how is not limited to the hood, but also includes heat recovery systems and sheet stabilization. The **totally integrated** design process allows an extreme rationalization: less components, simpler and more resistant, designed to work together in order to achieve the **best performance**.