

# CASTO

Machine for the scouring and bleaching of flax sliver on cops



**Casto** integrates degumming and bleaching processes in one single machine. Such integration leads to a more efficient planning of the entire production.

The modular stainless steel loading carriers are designed in such a way they are easily transportable with standard transpallets and can replace the traditional trolleys. The operators can load the loading carriers directly instead of the trolleys and reach the degumming/bleaching machine through the lanes of the spinning and roving departments without interrupting the operation.

This entirely avoids traditional cop rehandling during scouring, which consists in unloading the trolleys and loading the carriers.

The pump is specifically designed to operate at low head pressure and high flow rate, as required by the soft winding of sliver cops which need very smooth circulation to prevent felting, which would cause spinning troubles and defects.

The unique design of the plant is not limited to the sole pump, but it is also extended to the entire circulation system, such as the intake manifold (liquor flow out-to-in), axial impeller pump, delivery manifold (liquor flow in-to-out), carrier seats and carriers. A smooth and solid liquor circulation with a limited pressure drop is obtained and this means low installed power.

Casto can accommodate 8 modular carriers suitable for sliver cops of various standard sizes.

The electronic control of the entire process can be limited to controlling time/temperature parameters by modulating pneumatic valves and manual control of on-off interception valves.

Alternatively, by using a dedicated controller, it can manage all the valves and electrical equipment thereby obtaining a fully automatic cycle and significantly reducing operating costs, with outstanding repeatability and reliable results.

Due to the use of special pumps, combined with a complete automation of the very short productive cycle, Casto brings a substantial reduction of electric consumption and global savings of running costs for degumming and bleaching. The increased working efficiency of the spinning machines is furthermore guaranteed by the complete elimination of any intermediate handling by means of cops directly loaded on loading carriers, with consequent benefits in terms of manpower and process times.