

System 9, SCM's new integrated line for the complete production of windows and doors

Strengthened by many years of experience in integrated system production for windows and doors, SCM is now presenting a new solution for industry: the **system 9** line, which includes another absolute novelty: the **celaschi action** double-sided tenoning machine.

This new SCM line stands out for the rapidity in its setup change and the extreme flexibility in the management of work-pieces with different dimensions, allowing the manufacturing of **up to 200 complete windows per working shift**, even with medium-small batches.

As with all the SCM "systems", the integration of multiple machines enables to perform all the operations for producing windows frame: planing with the **superset nt** throughfeed moulder, tenoning with the new **celaschi action**, drilling and routing with the **fleximat** machining centre and profiling on both right and left sides with two **profitech** machines.

Celaschi action, the heart of the new SCM line dedicated to the window and door industry

The new **celaschi action** double-sided tenoning machine, the beating heart of the system 9 line, allows simultaneous tenoning of two elements of different lengths, widths and thicknesses, exploiting the principle of machining with the motors moving when the pieces are stationary.

Among the plus points is a high degree of flexibility in the production of tenons, thanks to the presence of 4 electrospindles, each of which is served by a 6-position tool changer. It is thus possible to produce **from 30 to 48 different tenons** without any intervention by the operator.

The system 9 line being previewed at SCM'S Grand Opening at the end of September, stands out with a productivity of **up to 6 pieces a minute** and it can manage pieces with length from 350 to 3100 mm, width from 35 to 130 mm and thickness from 35 to 100 mm. These values are specific for this line and they can be modified depending manufacturer's needs.

Lastly, this new industrial solution for windows and doors is perfectly in line with the demands for a digital, connected and integrated production. The HMI **Maestro active watch** software manages the entire system and was designed to be easy to use and to import orders directly from the company management software.

Thanks to Maestro active, the unified operator interface for all of SCM's technological solutions, the operator can control different machines very easily, with the great advantage of a unique, attractive and user-friendly look&feel.