

The SCM news for the joinery

At Xylexpo 2024 spotlight on the **"blade off" safety system** presented in live streaming from the new Technology Center Scm-Superfici in Villasanta (MB). This SCM innovative solution responds to the clear requirement of minimising the intrinsic danger of using a circular saw, thanks to a new working concept: making tangible and never invasive the presence of the safety system, enhancing its perception as an integral part of working, maintaining high quality and productivity of the processing.

Safety is no longer considered as an obstacle, meeting the operator's demands who stays in control of machining.

The **"blade off"** system prevents any accidental contact with the blade thanks to an intelligent system that using **smart sensors**, can recognise the human body and trigger the system even before the operator gets too close to the blade, **protecting the danger zone around it, at all times and in all environmental conditions.**

The protection is expanded on 3 sides of the machine (work-piece entrance and side approaches to the blade) to prevent any kind of contact, even caused by inappropriate or accidental movements.

The system automatically excludes the blade in a non-destructive way and stops the program running. It also activates with **high cutting speeds including up to 2 m/s**, without slowing down machining.

Thanks to its rapidity, **"blade off"** protects even in case of sudden and unexpected movements, as it happens in accidental situations.

Moreover, in the event of an intervention, the system can be rearmed without affecting the accuracy and performance of the machine.

Another great advantage is its **communication with the operator through a light system** that facilitates a simple interpretation of the safety system status, and therefore the machine.