

A.Celli Nonwovens S.p.A. is specialized in winding, rewinding and packaging lines, palletizing and reel handling for nonwovens including finishing & reprocessing solutions in High Speed Lamination, Spooling and Printing Systems. The A.Celli Group offers software and hardware solutions to optimize production and maintenance processes with a view towards industry 4.0. by developing innovative industrial automation applications and integrated packaging systems & automatic warehouse, addressing prevalently to the market of machine manufacturers for the world of paper, tissue and nonwovens. During our presentation we will illustrate our vision about Innovative winding & slitting technology for nonwovens specifically oriented in the global integration of the machines, starting with those for winding and rewinding processes, extended to offer integrated solutions for managing and optimising storage, preparation and freight forwarding processes. development of predictive maintenance programs, for example, the logic that governs the plant can be managed automatically and globally, thanks to artificial intelligence algorithms. Extreme Automation monitoring systems can monitor vibrations, electrical and pneumatic consumption, alarms and machine status controls for continuous line supervision, with a view to troubleshooting and ensuring the energy efficiency and sustainability of the plant.