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Tire-Rim Assembly Unit

This month's E-News showcases an assembly station, which was designed and manufactured for major European sub-supplier to the automotive tire industry.



This station was designed to automatically feed and assemble screws into tire-rims for passenger cars. The tool used is a DEPRAG EC-Electric Screwdriver Spindle, which is freely programmable in the torque-, angle-, and speed parameters.



The machine is capable to assemble single-component rims with screws, and also dual-component rims with screws and nuts. The nuts are presented from below and the screws are driven vertical down.



The part fixture, which is located on an X-Y positioning table, can accommodate different rims. This part fixture is equipped with soft-touch grippers, which will hold and locate the rims without causing any external damage.

To help with the visualization, we would like to direct you to our web-site to view a video clip showing this machine in action. Please click on the movie icon below for a direct link.

