

DEPRAG SCREWBOT [Robot End-of-Arm Tooling]



This short cycle time application required the integration of a DEPRAG Screwbot [Robot End-of-Arm Tooling] with automatic screwfeeding, and a Bosch Scara Robot to assemble a variety of PC-board housings. The housings are transported in a pallet by a dual belt conveyor and presented to two assembly positions for the screwdriving task. This allows the assembly of one part, while a second part is ejected. Because of the solid construction of the Screwbot base plate to the robot, fast positioning and short cycle times are possible without causing vibrations.

The second task at this station, accomplished with Festo handling components, is the removal of the housing from the pallet, the 90° longitudinal turning of the part and the reinsertion of the part into the pallet.



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