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Adaptive image processing system

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Ford Otosan's Yeniköy plant, which assembles the transit courier and tourneo courier, has implemented an adaptive image processing system to inspect the vehicle in terms of part presence/absence, vehicle complexity and specification requirement automatically. In the assembly plant, when the vehicle is finished, the vehicle goes through customer acceptance line (CAL) for final inspection list of checks to make sure all of the parts are in place, doors fit properly, wipers work etc., to ensure the vehicle meets engineering specifications and customer expectations as a part of quality management system. This inspection workflow is crucial to eliminate customer complaints, warranty costs and decrease of customer satisfaction. All these checks were being done manually by operators after implementing adaptive image processing system, correct exterior trim part availability and specification check have been started to be done automatically. With adaptive image processing system, labor efficiency has been improved, non-value-added processes have been eliminated and human errors on manual processes have been completely reduced to zero.

Biography

Mustafa Gelen has completed his Mechanical Engineering (2017) at Istanbul Technical University, Turkey. He worked as a Thesis Trainee at Arcelik group at Turkey. He worked as a Manufacturing Tool Design Engineer at Eczacibasi Yapi Urunleri Grubu, Turkey. Currently he is working as a Senior Quality Engineer at Ford Otosan, Turkey

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