

IDS case study: picking the unknown

Robust and flexible robotic automation in logistics

The global pandemic has radically impacted the supply chain and logistics industry, making the need for robotic automation more urgent than ever. With more than 70% of labor in warehousing being dedicated to picking and packing, numerous companies are gradually investing in logistics automation. But what happens when the robots must handle an unlimited number of (unknown) stock keeping units? These companies need a fast, reliable, and robust way to automate picking and placing of a large variety of objects.



This challenge was taken up successfully by the Dutch company Fizyr. The computer vision company based in Delft focuses on enabling robots to pick unknown objects even in harsh logistics environments.

The result is an automated vision solution that enables logistic automation in various conditions and applications, like item picking, parcel handling, depalletising, truck unloading or baggage handling. To complete the system with the optimal hardware, Fizyr integrates compact, robust Ensenso 3D cameras in combination with high performance GigE uEye cameras from IDS.

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