

Vision-guided robotic picker for moving parts

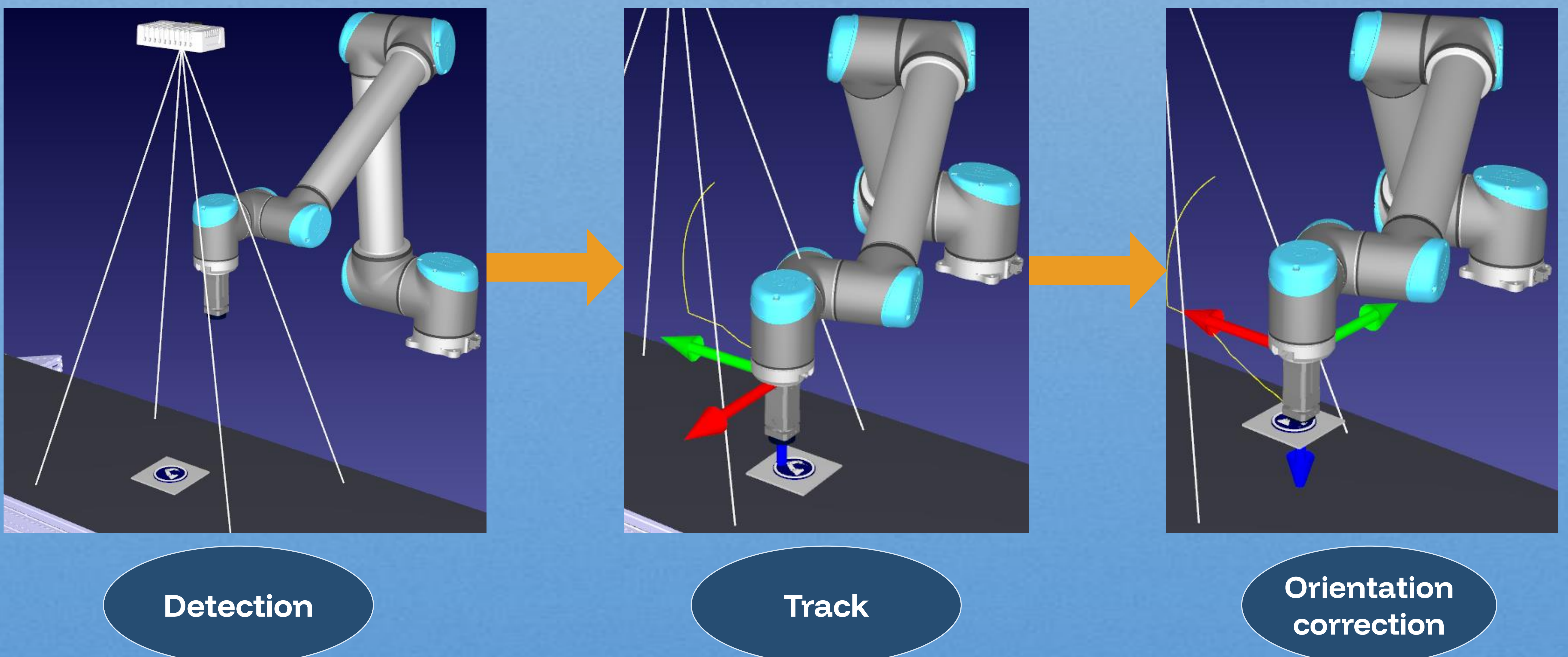
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Objective






In many sheet metal production lines, the current Cartesian robot and mechanical centering configuration offers limited adaptability for unconventional geometries. Moreover, there are cases when the conveyor still has to stop at predetermined spots to allow the robot picking, interrupting the material flow.

We have an approach for this situation, with a flexible industrial robot enhanced by a comprehensive machine vision system...

Operation



Features

-  Adaptive to various geometries
-  Efficient identification for custom workpieces
-  Smooth pick-and-place while the part is moving
-  Reliable orientation correction
-  Smart “queueing” algorithm to ensure stable throughput

