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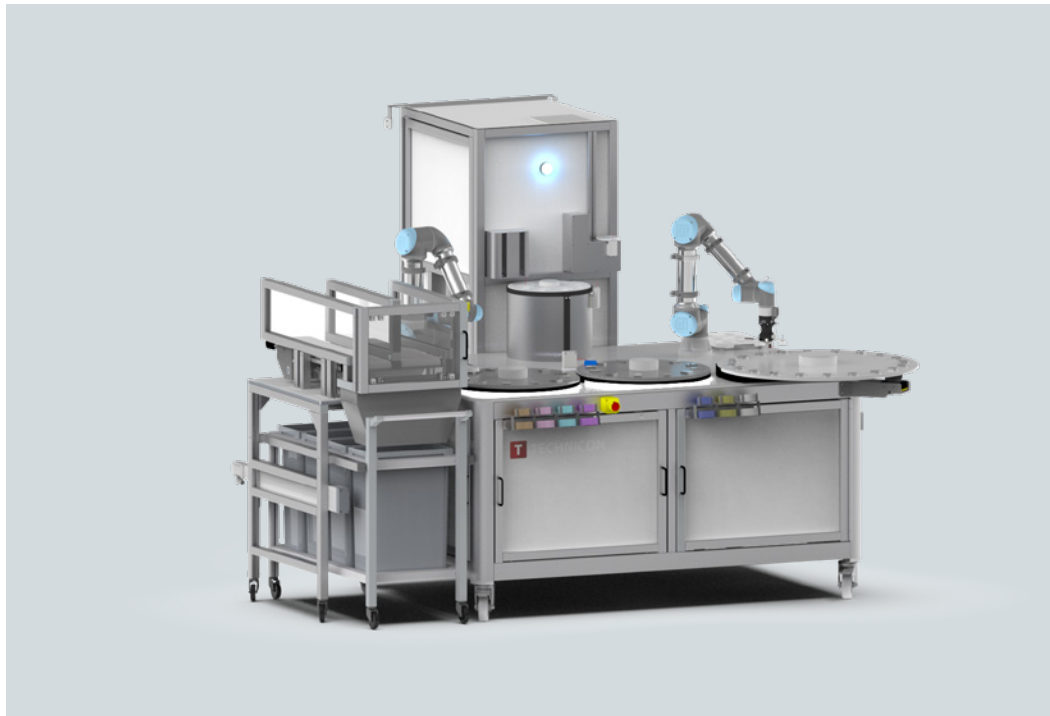
EM PLATE VISION SYSTEM

EM Plate Vision Systemstrengthens productivity and quality. It is a modular, and scalable cobot solution optimal for automatic inspection of agar plates. It reduces human error, frees up human resources for more value-adding tasks, prevents down time , ensures high product safety, and enables stable production.

Challenge

Ensuring high quality, stable product safety, and reducing the risk of product scrap due to hygiene issues is vital to any Life Science production. Systematic control of agar plates is often done manually.

Manual control is both monotonous, costly and causes risk of cross-contamination and downtime.

SOLUTION OVERVIEW

EM Plate Vision System is a modular robotic solution consisting of thoroughly tested, high-quality technology. It carries wheels and can thus easily be moved to any area requiring efficient control of agar plates.

+ Equipped with two reliable UR-5e cobots, three vision stations, sensitive force-torque LinRod actuator for lid locking and robotique grippers, effectively and reliably inspects and categorizes plates.

+ Initially, operators load unsorted plates into the system.

+ During operation, **EM Plate Vision System** automatically opens, inspects, closes, scans, and sorts each agar plate.

+ After inspection, each agar plate is reunited and locked its original lid.

EM Plate Vision System has a capacity of 200 plates per hour. The solution can be customized and scaled to meet various and different customer needs.

Solution Benefits

The innovative **EM Plate Vision System** optimizes systematic agar plates inspection.

+ The modular, scalable solution has a small footprint.

+ It is easily relocatable, ensuring stable control of plates anywhere it is required.

+ Proactively **EM Plate Vision System** improves flow, strengthens productivity, and frees up labor.

+ This solution reduces human errors, ensuring high product safety, and stable manufacturing processes.