



Introduction to the MedProt project

MedProt Project

Automated manufacturing / dispensing of radiopharmaceuticals

By means of a robotic arm, integrate existing modules for dilution and dispensing, filter integrity test, dose calibration and visual inspection into an automated production line.

Modular: Using available modules on the market (from any vendor)

Flexible: Easy to customize

Goal:

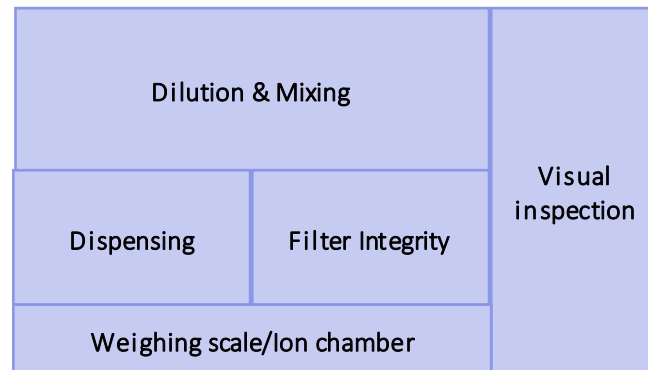
Making a prototypical production line

- Evaluation of robotic and automatic control systems

- Robot and automation control, system integration

3D modeling of existing components for the production line.

Digital Twin



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Prototypical production line



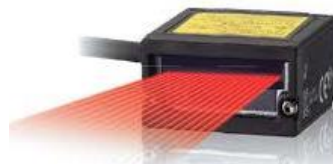
Dilution & Mixing



Dispensing



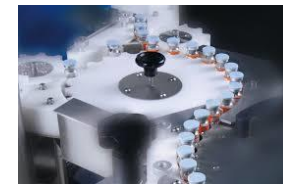
Dose calibration



Bar code reader



Visual inspection

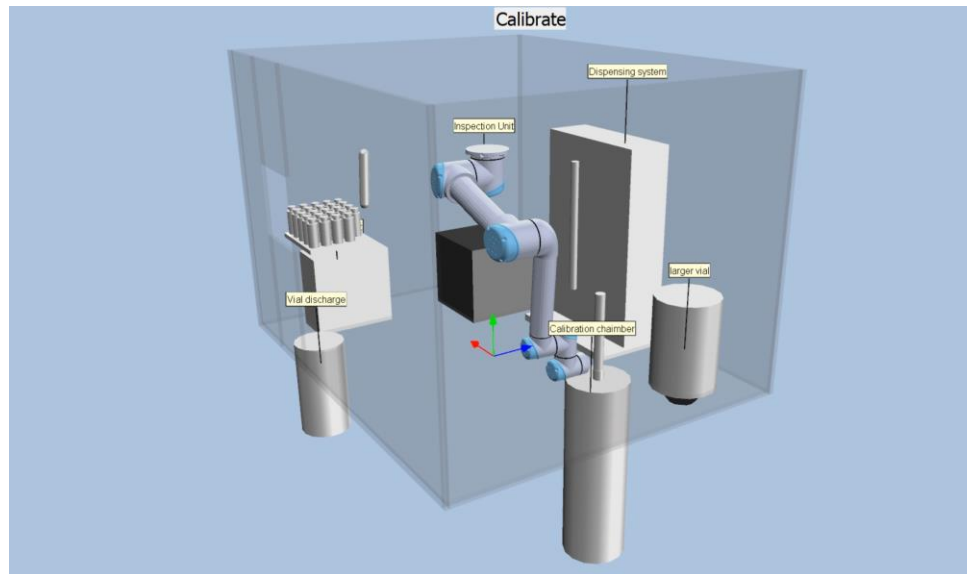


Labelling

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3D model and digital twin

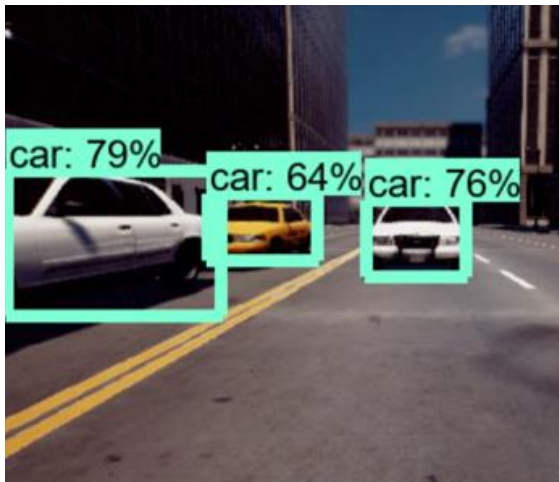


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Machine Learning

Automate the visual inspection of vials



Virtual



Actual

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