Klas Bengtsson, March 2014

RobotStudio Picking PowerPac
PickMaster 3

Power and productivity
for a better world™

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The challange of creating a picking line

- Without advanced experience, it is difficult to understand how the final result in a multi robot picking line will variate with changes of the inflow of products

- It can be difficult to convince a customers that a multi robot picking line will deliver the desired result

- With an increasing number of different products and pack styles, the validation and programing time grows rapidly

- The calculated profit must be very good to balance the risk
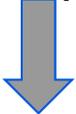
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The solution
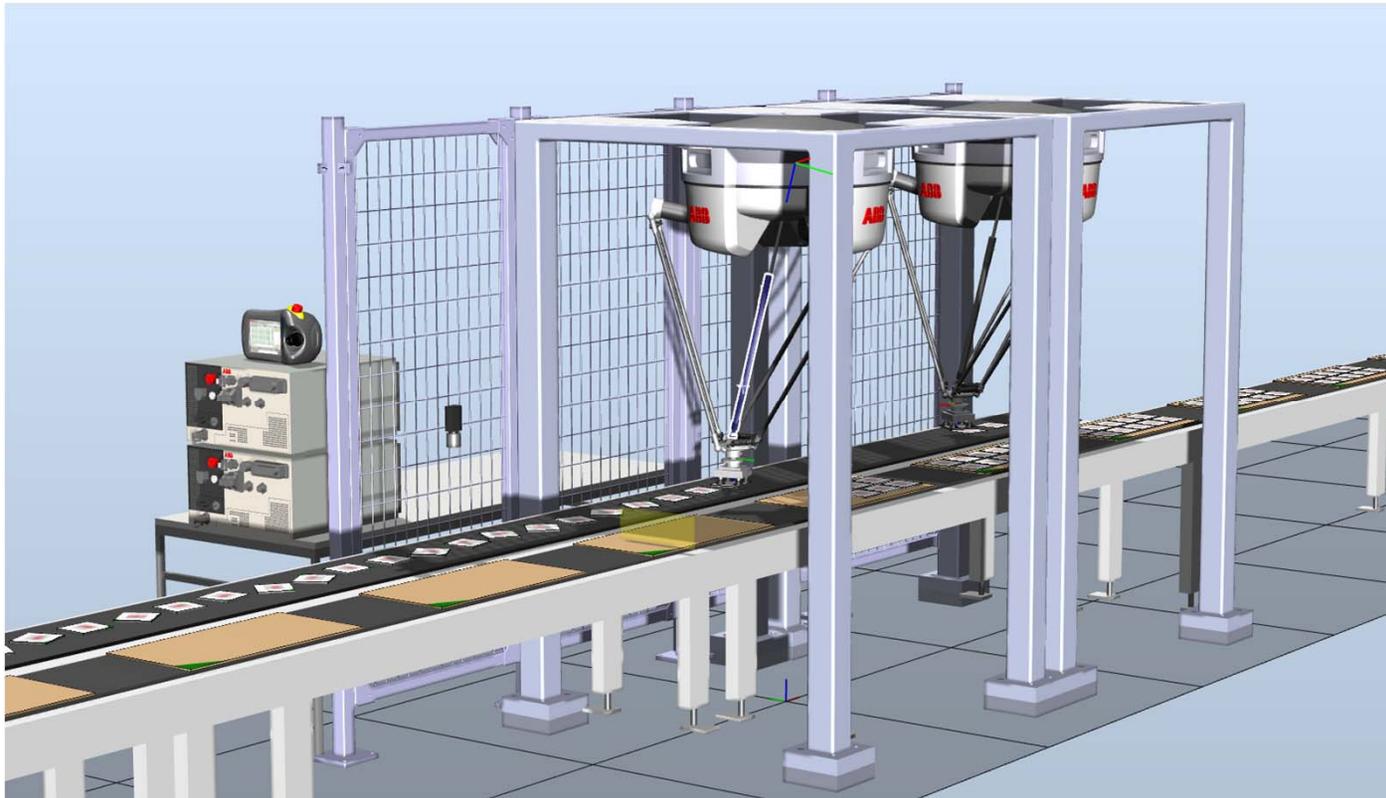
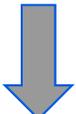*RS PowerPac to simulate a picking line controlled by PickMaster3*

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Workflow
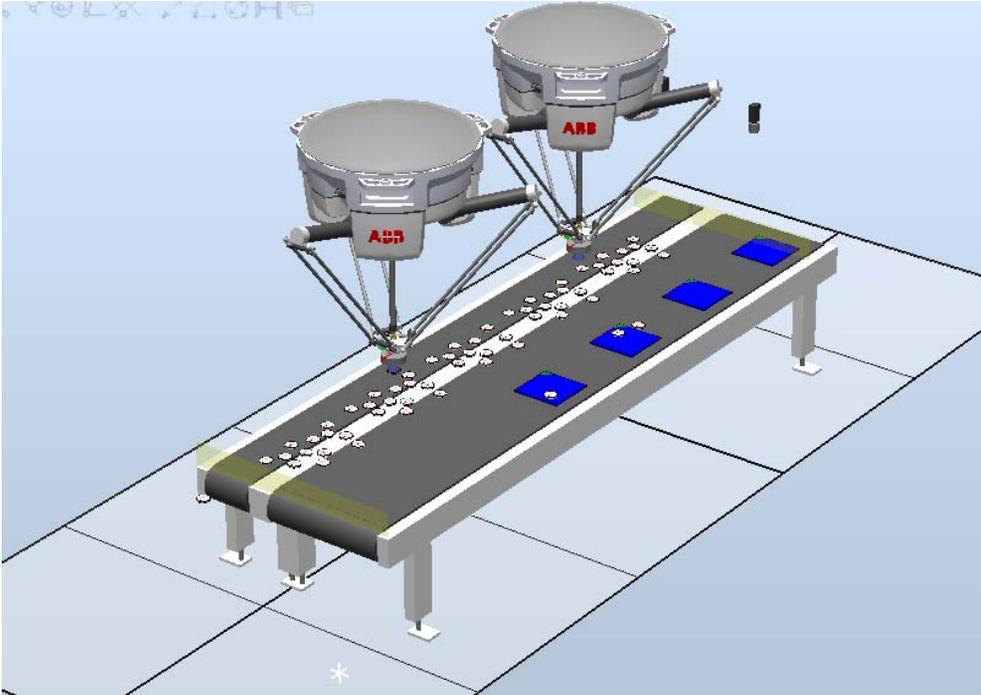
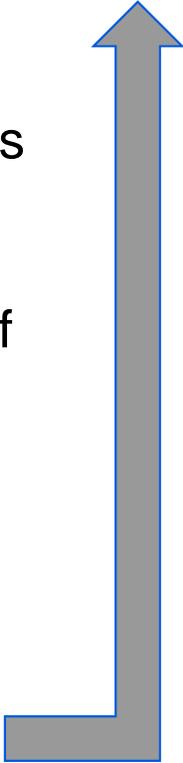Configure the physical line

⬇

Add products and formats

⬇

Define the in feed flow of products

⬇

Simulate

⬇
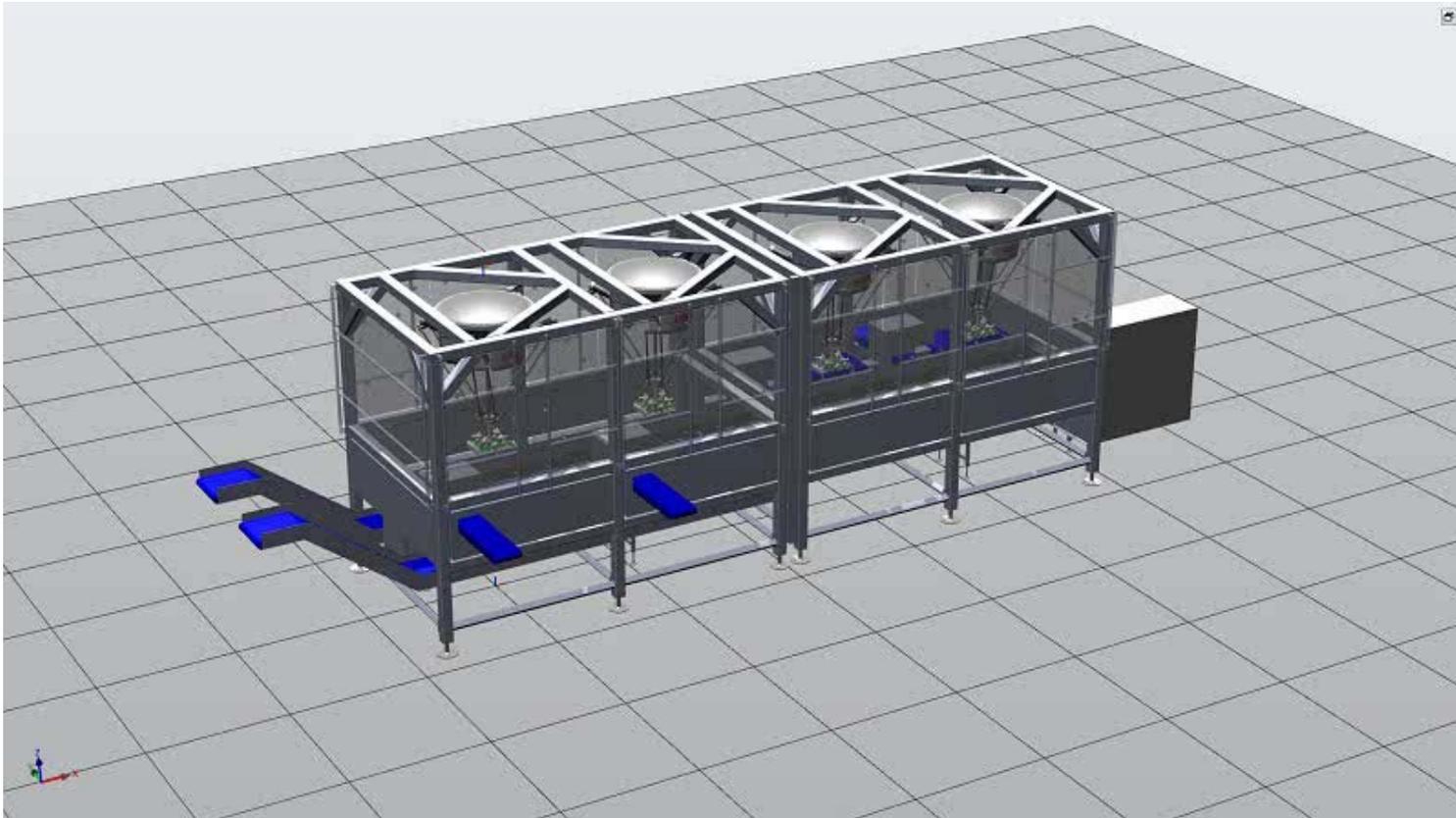
Transfer result to PickMaster3™

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Key facts

- Simple and intuitive

- Same functions as in PickMaster 3

- The flow of products can be defined as:

  - Average distribution

  - Own distribution of targets in one frame

  - Recording from a PM3 line can be used as input

- Gripping time given as input

- Virtual tuning

- Pickrate per robots displayed

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Key values
Hit rate

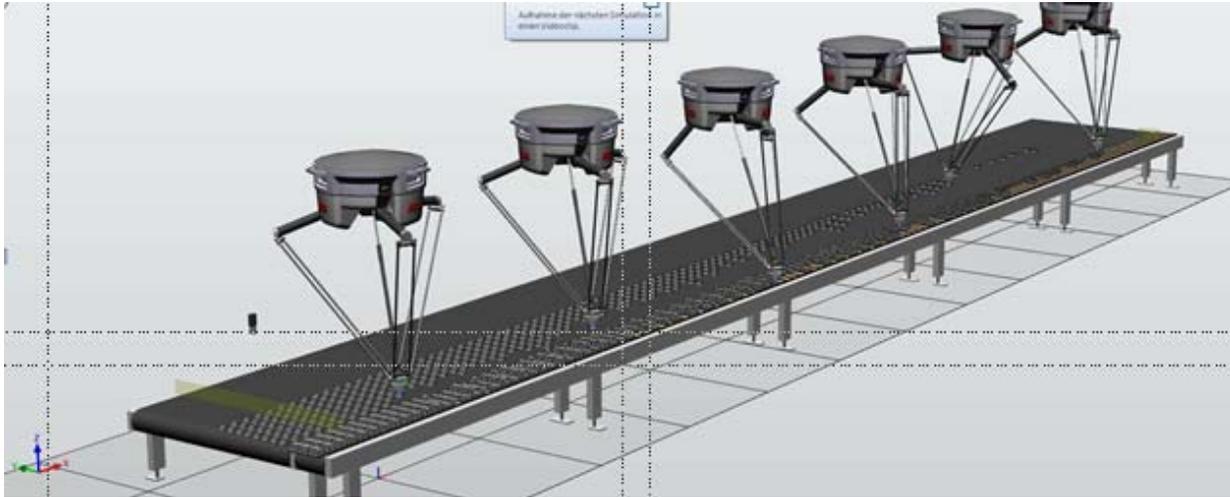**A simulation movie is an efficient sales tool**

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Key values
Improved margins

Optimized efficiency that requires less "safety" margin" and substancially less validation time
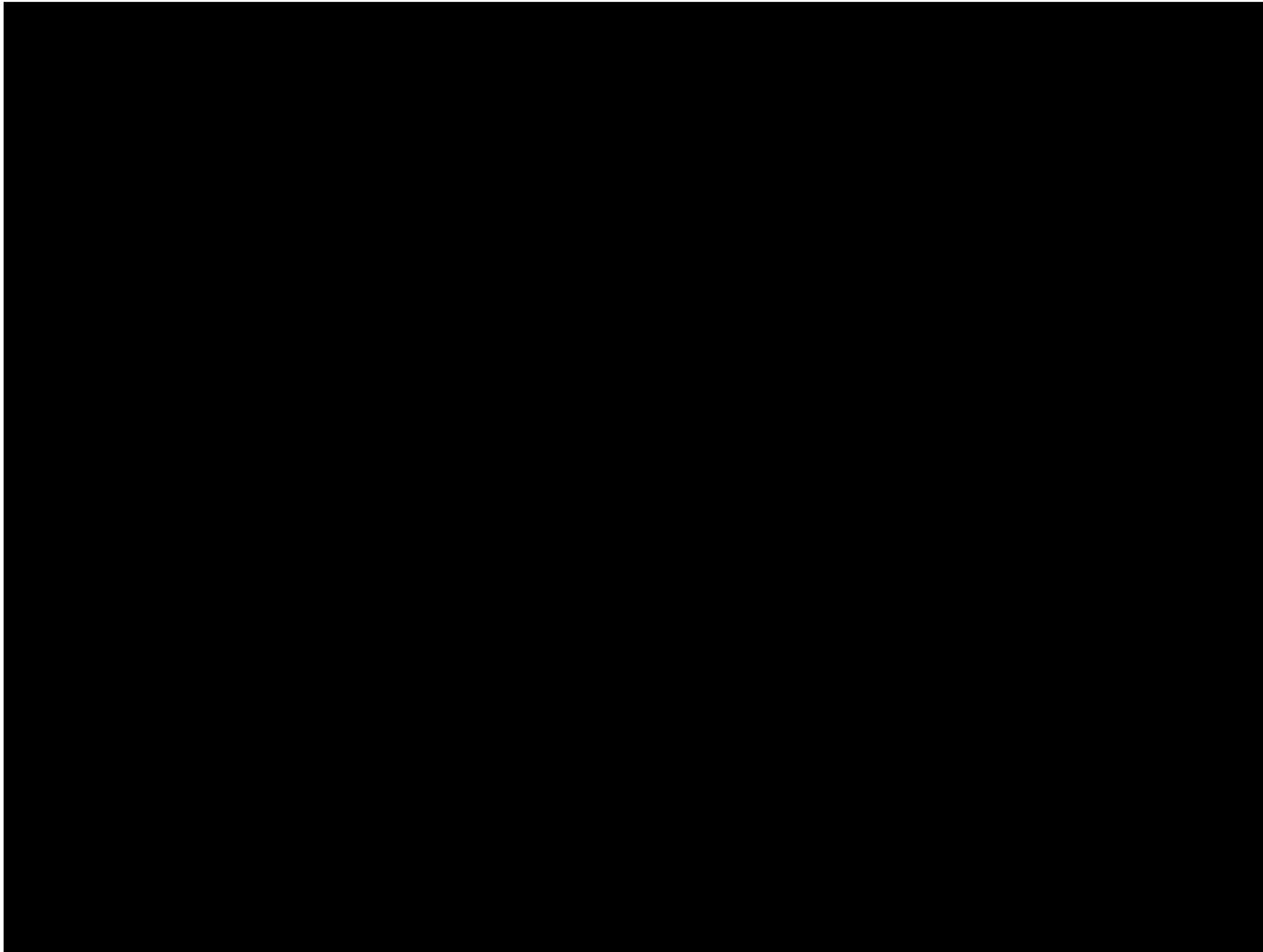
Why more picking lines?

"RS Picking PowerPac is a simulation and sales tool that improves the line efficiency while reducing the risks"

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How to work with Picking PowerPac
Movie link

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