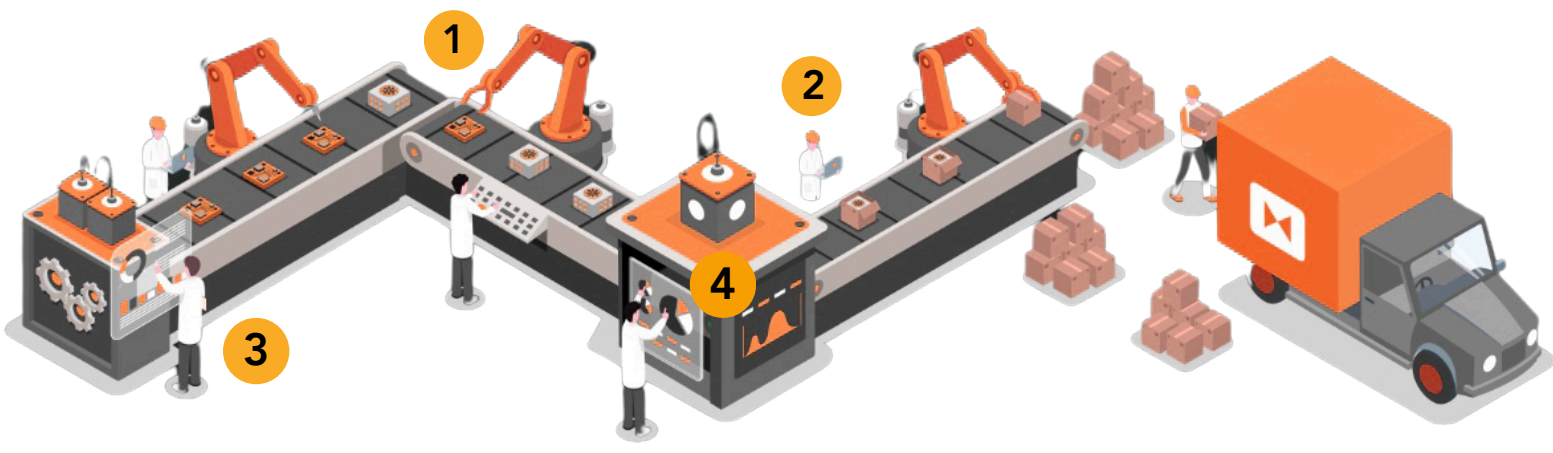


# 4 MANUFACTURING CHALLENGES AI EXCELS AT



## 1 Detect Defective Products



Capable of >99.99% accuracy



At speeds of 1,500+ products per minute



Identify defect categories and finds new ones

Reduce defective products, reduce false positive defects

## 2 Optimize Maintenance Cycles



Identify equipment in need of maintenance



Create prioritized maintenance lists based on remaining useful life

Extend useful life of equipment and optimally deploy maintenance staff

## 3 Perform Root Cause Analysis



Pinpoint what input factors drive outcomes



Find complex patterns that are not detectable by other methods

Find and fix what causes production issues in the first place

## 4 Improve Process Control



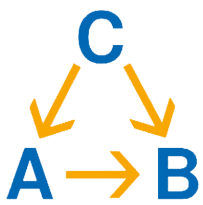
Refine process control limits based on historical data



Periodically adjust control limits to optimize processes

Implement more cost-effective, sustainable, energy-efficient processes

# AND ONE THING AI CAN'T DO: MAGIC

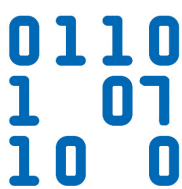


## Find correlation if there isn't any

If there are no patterns and correlations in the data, AI can't find them. If AI doesn't find a correlation, it isn't there.

## Detect issues, if they aren't measured or visible

If you can see it, AI can see it. If it's hidden, obscured, invisible, in the background noise, or doesn't get measured AI can't detect it.



## Make accurate predictions based on faulty or too few data

Data fuels AI, if the training data is inaccurate, data sets are missing or there is too little data for the AI to learn, AI can't detect patterns.

Contact us to discuss how you can use AI in manufacturing

Click here to download our eBook AI for Manufacturing professional

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