

Robots...

Pad printing solutions for today's production

What is the need?

- Operator Reliability



What is the need?

- Operator cost
 - Management cost
 - Higher cost of living for employees



What is the need?

- Improvement of quality
 - Repeatable process
 - A program will do as it is built to do



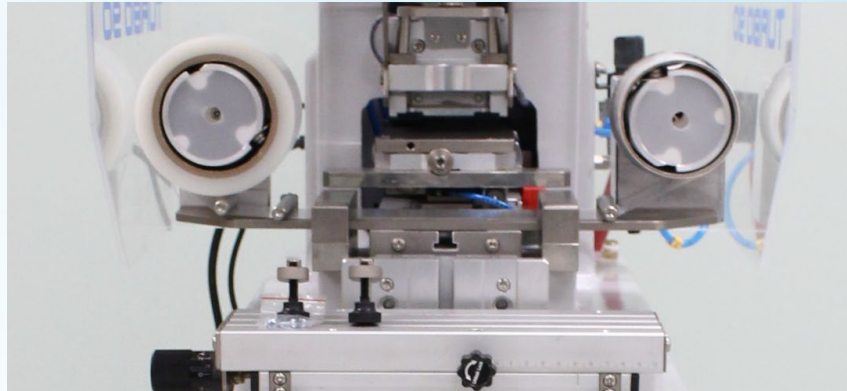
What is the need?

- Increase in demand
 - Automation can run faster cycles and produce more product
 - More demand for producing locally for shipping costs
 - More demand for producing locally for unknown political environment



What is the solution

- Have the equipment built for quality improvements
 - Tape clean
 - Vision system
 - Automatic Viscosity Controls
 - Mechanical repeatability



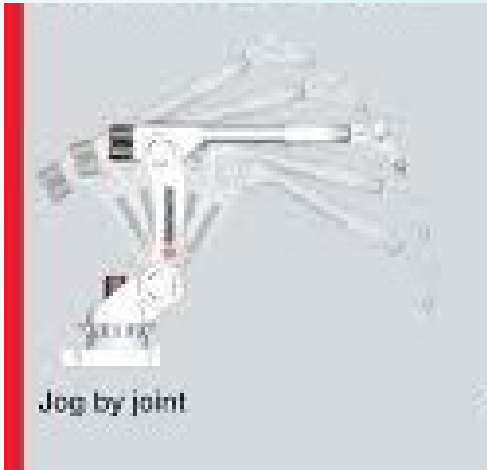
What is the need?

- Flexibility
 - Short product lifetime
 - Changing requirements



What is the solution

- Robots can be easily programmed for new projects
- Robots have ability for many different movements giving them great flexibility
- Robots can have tooling changes for different projects and requirements.



Robotic Grippers



The end effectors used for palletizing and stacking operations are fairly wide ranging, and include servo grippers, pneumatic grippers, vacuum holders, and more.

Types of Robots

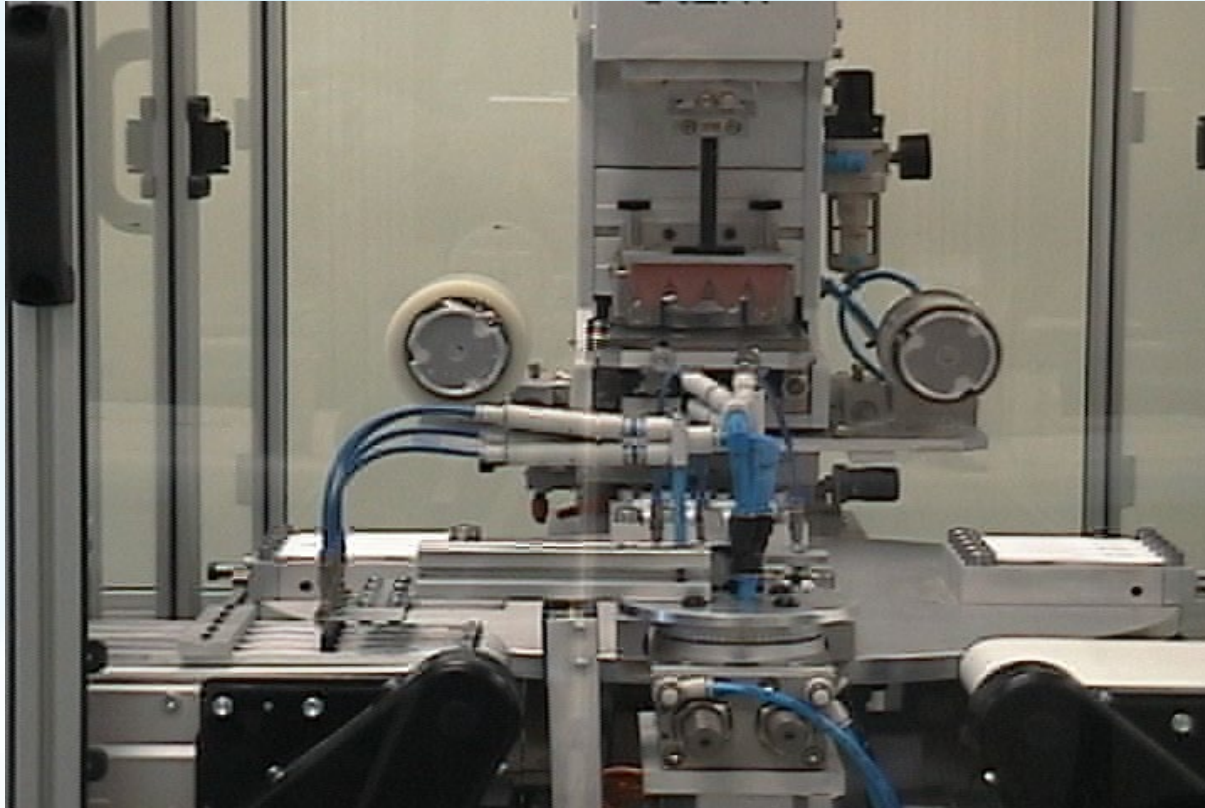
- 6-axis
- SCARA
- Gantry



What is the solution



- Remove the operator from directly effecting the cycle of the machine
 - Inline conveyor with queue



What is the solution



- Remove the operator from directly effecting the cycle of the machine
 - Tray

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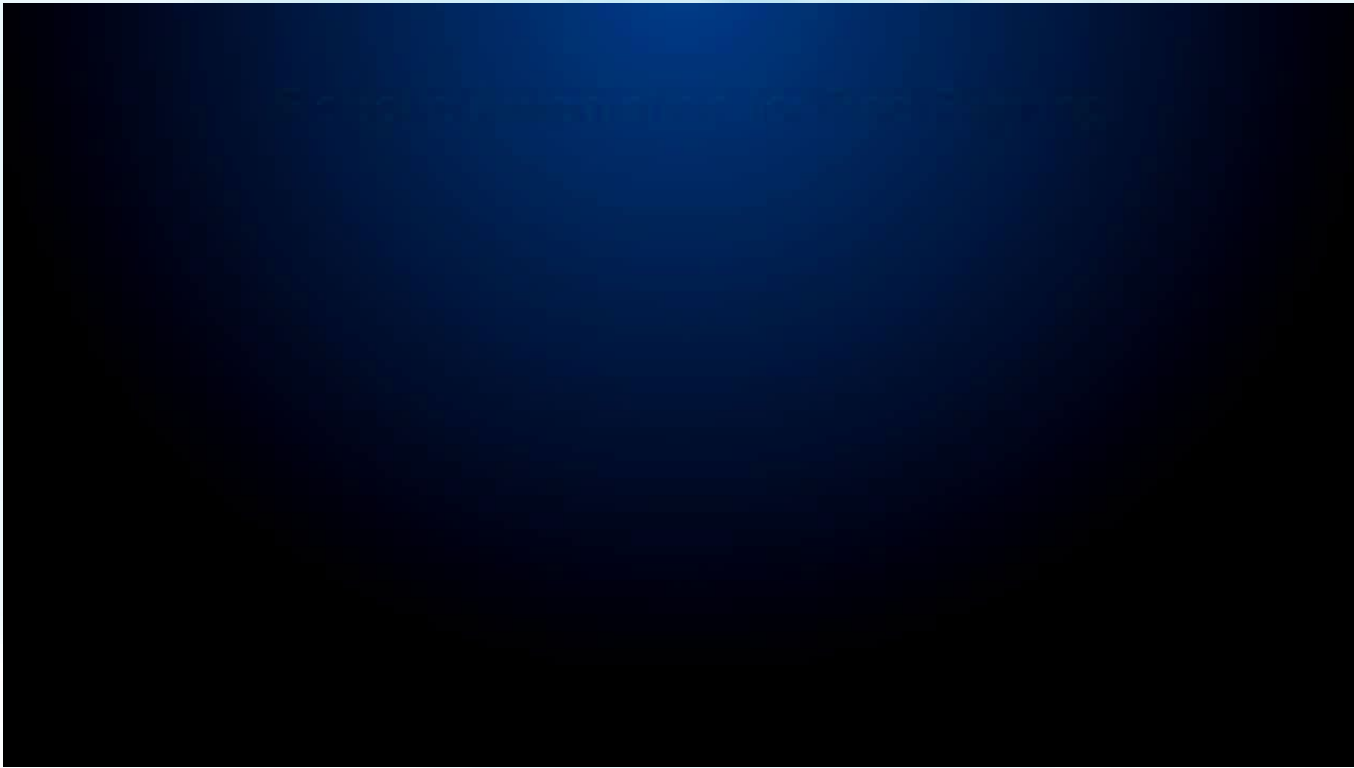


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What is the solution



- Remove the operator from directly effecting the cycle of the machine
 - Molding robot



Questions?

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