

AUTOMATION PANEL TALK



Sergio Zilioli – Persico
Carsten Erkel – Elkamet
Rob Miller – Wittmann Group

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Orlando, FL

elkamet

 **PIERSICO**

ROTO  **LOAD**

Why Automation?

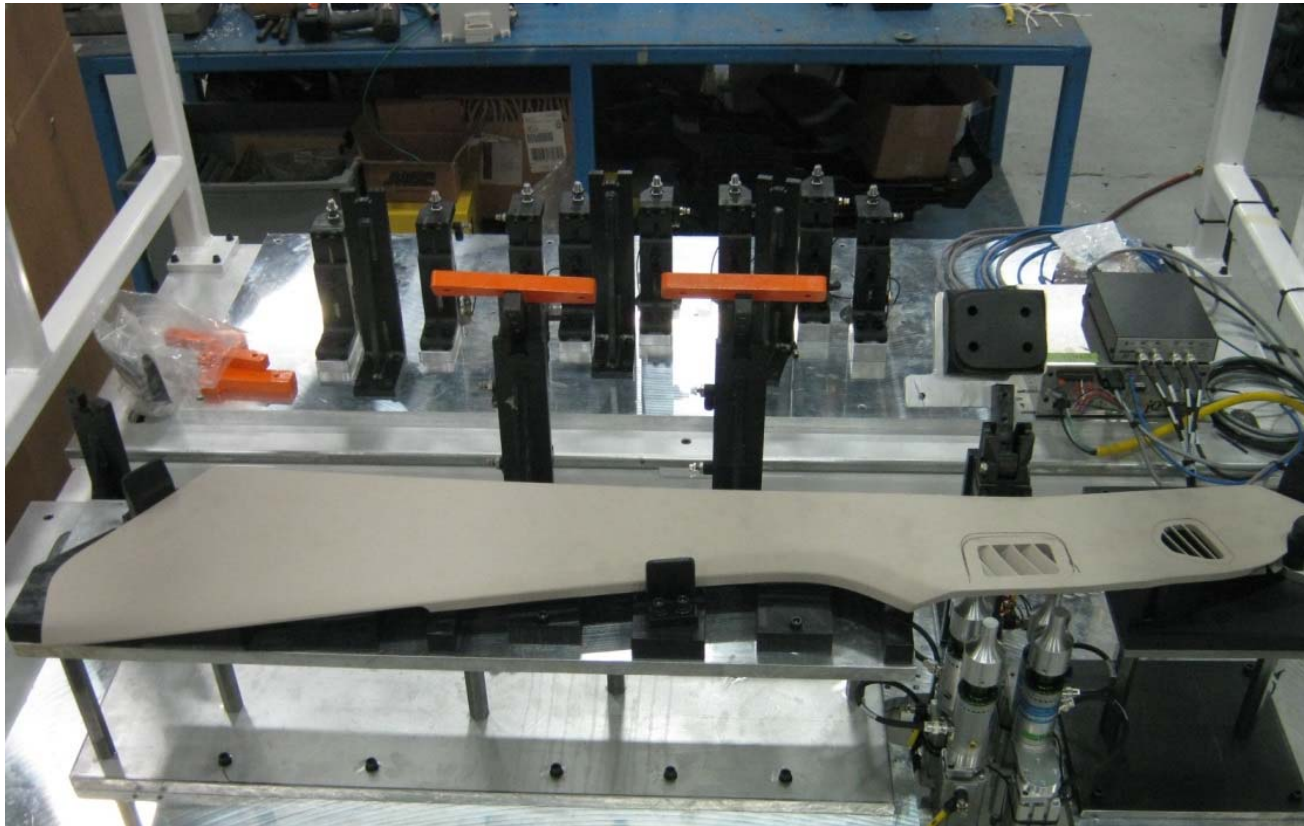


- Quality consistency
- Scrap reduction
- Human resources aspects
- Manufacturing costs optimization

What other industries are doing?



What other industries are doing?



*Ford Console side
Clip machine*





Challenges for Rotational Molding industry



- Costs sensibility
- Flexibility required
- Annual volume of production
- Industry culture
- Short programs overview – time to market
- Retrofitting existing equipments to automation



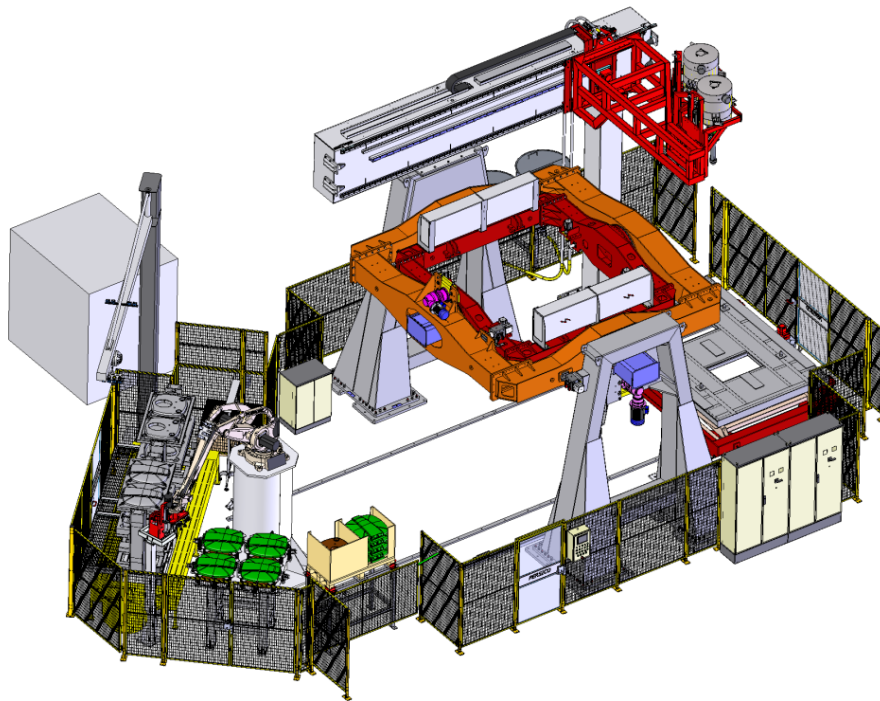
Today:

- [Pneumatic clamps](#)
- [Automatic spiders switch](#)
- Material dosing systems
- Controlled venting
- Interaction machine-process
- Secondary operation (CNC – [gasketing](#))
- Automatic molds opening/closing

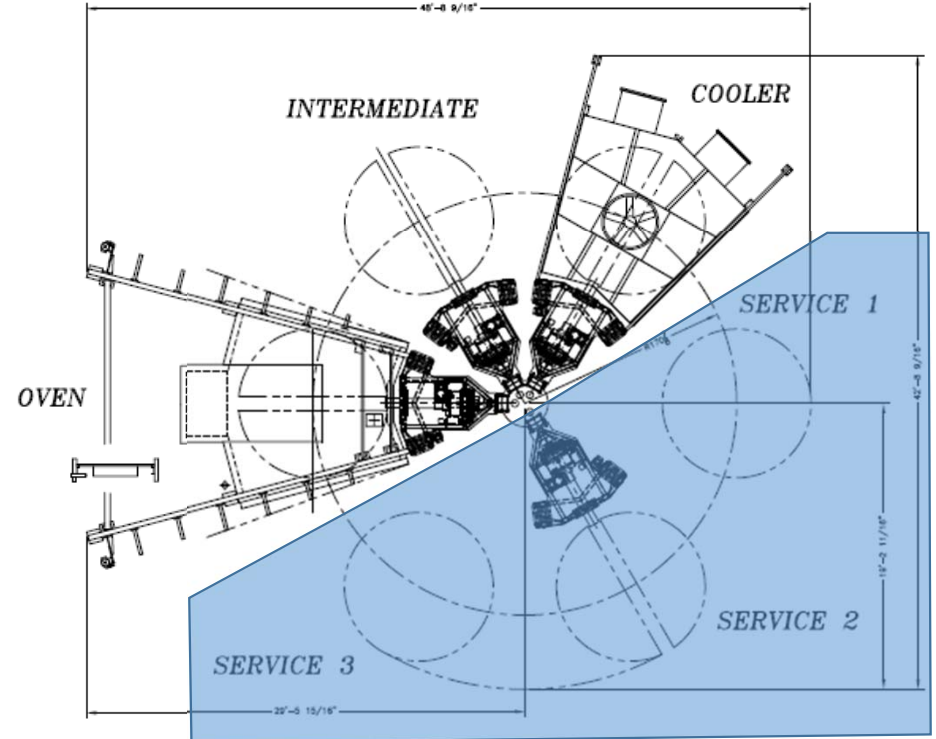


Tomorrow:

- Fully automatic machinery with multiple processes integrated



- Automation systems applied on standard rotomolding machines





Questions?

Thanks for your attention!

Sergio Zilioli – Persico

Carsten Erkel – Elkamet

Rob Miller – Wittmann Group

The logo for Elkamet, featuring the word "elkamet" in a stylized, blue, lowercase font with a slight shadow effect.The logo for Persico, featuring a stylized grey diamond shape followed by the word "PERSICO" in a bold, red, uppercase font.The logo for Roto Load, featuring the word "ROTO" in a bold, black, uppercase font above a blue swoosh, and the word "LOAD" in a bold, black, uppercase font to the right of a purple triangle.