



SMART FACTORY

YOUR INDUSTRY 4.0 AUTOMATION PARTNER

Our competitive advantage

“When Apple invented the Mac, IBM was spending almost 100 times more in R&D. **Innovation is not about the money.** What matters are **the people** that surround us, who and how guides them, and if **we are making the right bet**”

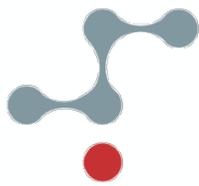
- Steve Jobs

“The **big burden of traditions**, habits and costumes that occupies the majority of our brain **recklessly ballasts the most brilliant and innovative ideas**”

– Jose Samarago

“**Every act of creation is first an act of destruction.**”

- Pablo Picasso



Smart Factory – The people



CARLO TAGLIABUE
#MACHINEMAN

- Process R&D @ **Guala Closures, Italy**
- Process R&D @ **Artaic, USA**
- R&D @ , an **MIT spinoff** supported by the **Bill & Melinda Gates foundation**
- Graduated in **Mechanical Engineering** from **Boston University**



ANDREA POZZI
#ELECTRONICGURU

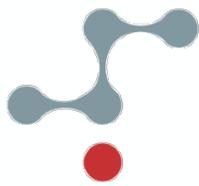
- Head of process R&D @ **Guala Closures, Italy**
- Founder of Network Factory, Italy
- R&D @ **Pirelli cavi, USA**
- Master in **Electronical engineering** from University of Santa Barbara, CA, USA
- Graduated in **Telecommunication Engineering** from **Politecnico di Torino**



LUCIA TAGLIABUE
#EVERYTHINGELSE

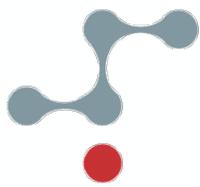
- **Manager @ Bain & Company** with over 7 years in strategy consultancy, USA & Italy
- **Analyst @ Rothschild Advisory**, Milan
- Master in Finance from **London School of Economics & Political Sciences**
- BSc in Management from **Bocconi University**





Mechatronics & innovators in the DNA

- **3D Programming**, 100% integrated programming of electrical & mechanical parts
- **Proprietary software**, 100% build in-house, to control the production process
- **Limited use of mechanical guides**, and intensive usage of robotic arms, vision system and pick & place robots instead
- iPC with built-in virtual PLC
- **No use of pneumatic actuators**
- **100% cloud enabled** control through big-data generation



Our products & services in a nutshell

CAPS &
CLOSURES

ELECTRICAL
COMPONENTS

PACKAGING
HOME CARE

PACKAGING
PERSONAL CARE

PACKAGING
PHARMA

PACKAGING
COSMETICA

CORE AUTOMATION PRODUCTS

Flexim
Smart
automation
platform

- Industry 4.0 automation platform with state of the art features:
 - Flexible, modular, reconfigurable: capable of managing small batches & customization
 - Big data controlled: predictive maintenance, improved quality control
 - Improved energy efficiency: no use of compressed air, frictionless
 - Interconnected & cloud

Flexifeed
Smart feeding
technology

- Industry 4.0 flexible feeder with state of the art features:
 - Flexible & reconfigurable: reprogramming in a hours with no mechanical rework
 - Big data controlled & vision system: inbound & outbound integrated quality control
 - Interconnected & cloud
 - Improved overall equipment efficiency

SUPPORTING SERVICES

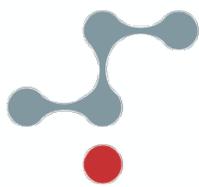
**Smart Factory
roadmap**

- **Assessment study**, processed optimization applying I4.0 principles, **implementation planning & support**, workforce **training** on I4.0 enablement

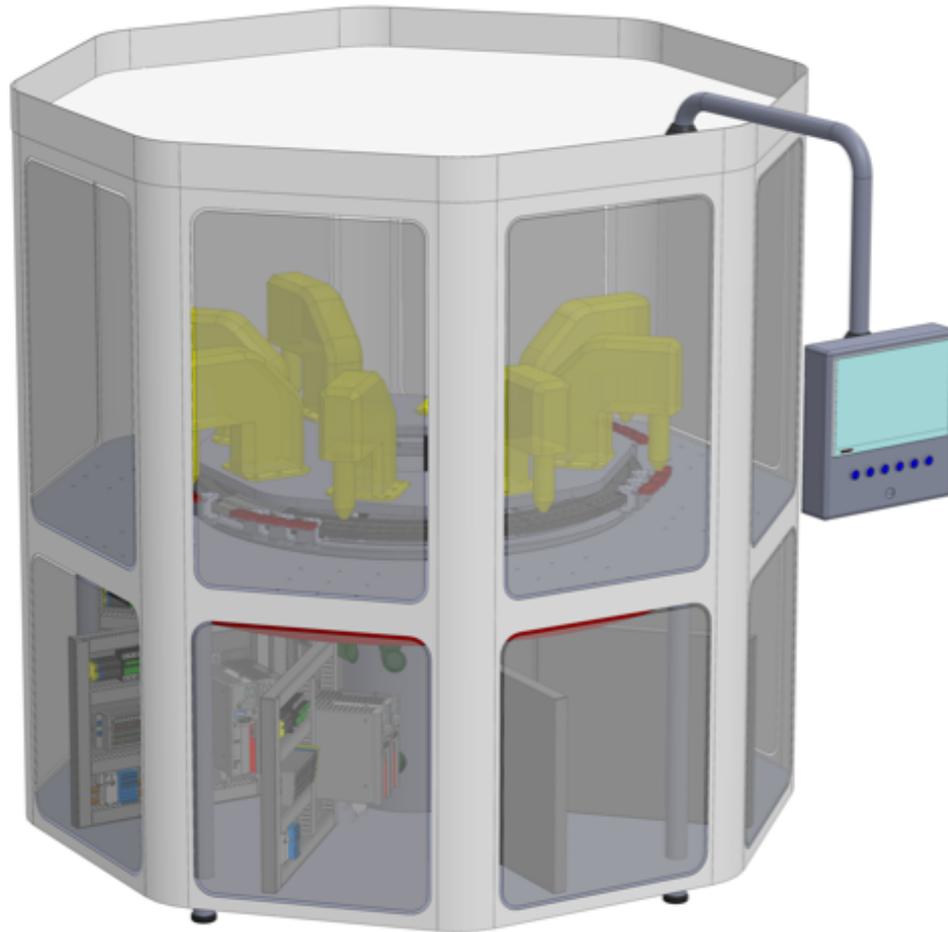
**Big Data
analytics**

- **Factory Big Data availability assessment** & utilization study
- **Big Data analysis & management** for: single-piece quality control, predictive maintenance, efficiency optimization

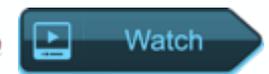




Flexim – A new generation of machineries with tangible advantages

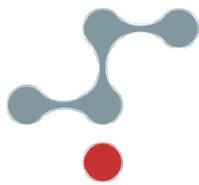


- **Mechatronic system**, combining benefits of linear and rotary system
- **Free movers**, no cables, frictionless, maximum precision and speed
- **Maximum efficiency and flexibility**, being 100% reprogrammable and adaptive to increased production needs
- **Synchronous travel**, constant clamping force, adjustable relative force
- **Modular**, arbitrary installation position, customizable shape, plug & play installation of new modules
- **Unlimited power and speed of transmission thanks to the adoption of an EtherCAT iPC**
- **Proprietary software** that controls the entire production process and integrates in-line quality control through a vision system



eXtended transport system powered by **BECKHOFF**

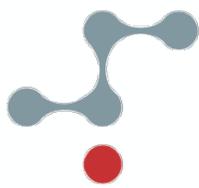




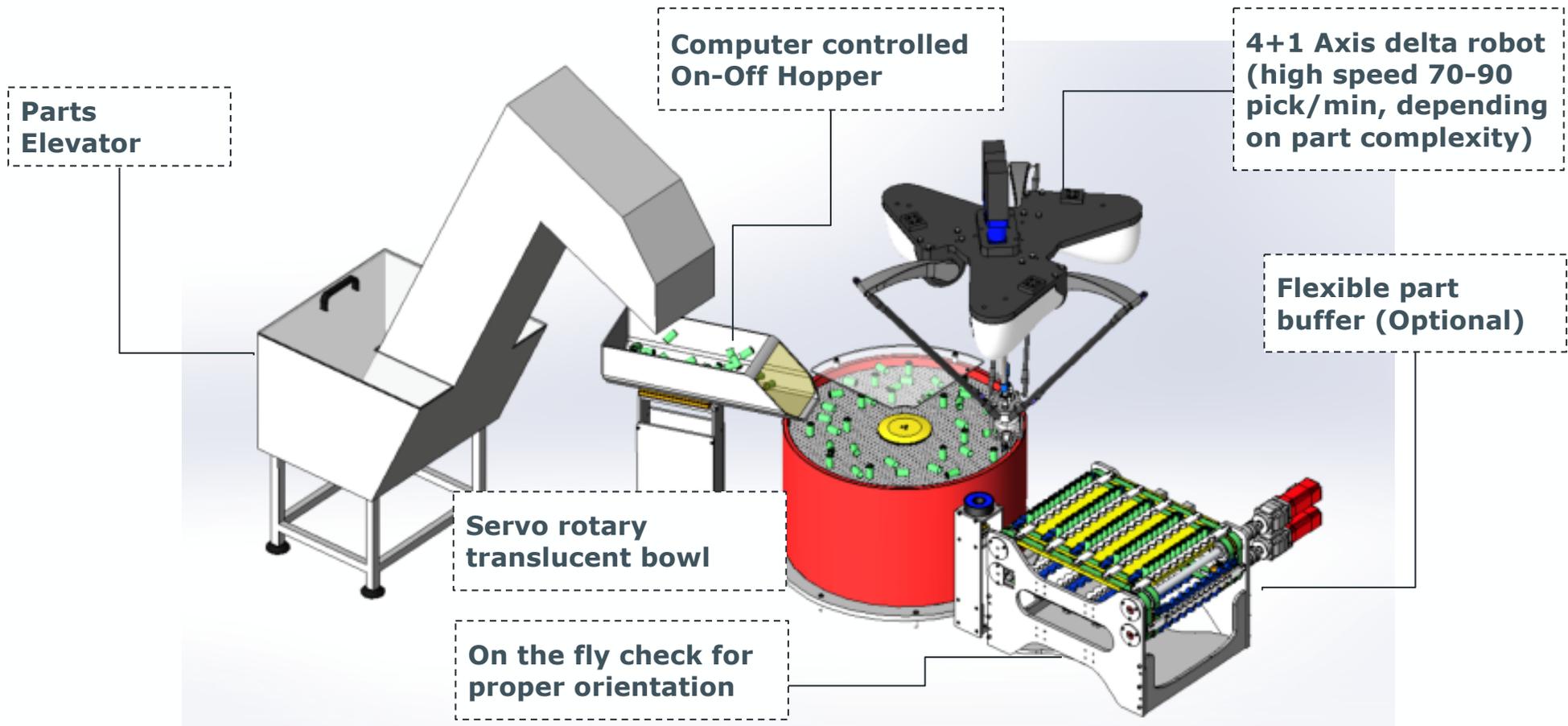
Flexim KPIs vs comp. traditional machinery

Our products

KPIs	FLEXIM	traditional
Nominal speed	110pcs/min	60pcs/min
Real speed	80pcs/min	60pcs/min
Energy consumption	XX	XXXX
Pneumatic actuators	X	✓
Cloud data analytics	✓	X
Preventive mantainance	✓	X
100% reconfigurable	✓	X



Flexifeed is a new generation rotary bowl system that enables to manage loading stations with flexibility



- **Maximum efficiency and flexibility**, being 100% reprogrammable and adaptive to increased production needs. Any machine floor operator, with minimal training from SmartFactory, can teach a totally new geometry to the robot and implement it in production
- **Proprietary developed camera vision system**, high speed pick and place application
- **Free movers**, no cables, frictionless, maximum precision





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