



"Quando la Apple inventò il Mac, L'IBM ne stava spendendo almeno 100 volte di più in R&D.

I soldi non c'entrano nulla.

Le cose importanti sono le **persone** che abbiamo intorno, chi e come ci guida, e **se stiamo facendo la scommessa giusta.**"

- Steve Jobs



"L'enorme carico di tradizioni, abitudini e costumi che occupa la maggior parte del nostro cervello zavorra impietosamente le idee più brillanti e innovative"

Jose Samarago

"Ogni atto di creazione è innanzitutto un atto di distruzione."

- Picasso

### Gli effetti dell'innovazione sotto i nostri occhi...

















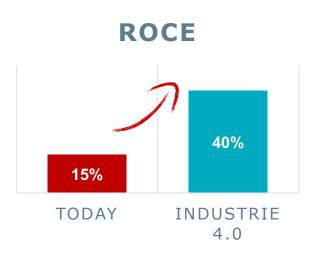


### La nostra scommessa: la quarta rivoluzione industriale



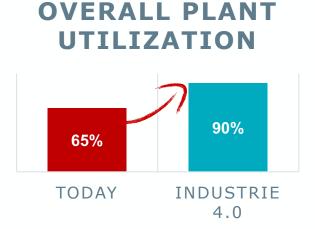
# Pensiamo che sia la scommessa giusta perchè le aziende manufatturiere ne trarranno ENORMI vantagai.

Simulation of Industry 4.0 effects for a typical automotive supplier performed by Roland Berger.

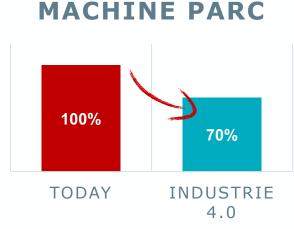












Source: Think Act: The industrie 4.0 transition quantified, Roland Berger



### Le persone di Smart Factory





#MACHINEMAN











#ELECTRONICGURU













**LUCIA TAGLIABUE**#EVERYTHINGELSE







THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE



Università Commerciale Luigi Bocconi



### La nostra mission



#### **VISION**

Diventare il **partner meccatronico** di riferimento per l'industria manifatturiera

#### **MISSION**

Supportare le aziende alla trasformazione in Smart Factory, sfruttando la tecnologia come fattore abilitante per una fabbrica **interconnessa**, **intelligente**, e **più performante** grazie ad una migliore collaborazione uomo-macchina

#### PRODOTTI INNOVATIVI

Produciamo sistemi di automazione flessibili e modulari, che consentono di ripensare radicalmente i processi produttivi

#### DNA

Investimento costante nello scouting tecnologico e nell'innovazione

#### SERVIZI ABILITANTI

Supportiamo le aziende ad attuare il processo di innovazione con concretezza, per raccogliere benefici concreti dall'innovazione





#### **Flexim**

#### Smart automation platform

- Industry 4.0 automation platform with state of the art features:
  - Flexibility & reconfigurability
  - Predictive manteinance
  - Improved energy efficiency
  - Interconnected
  - Big data generator

#### **Flexifeeder**

Smart feeding technology

- Industry 4.0 flexible feeder with state of the art features:
  - Flexibility & reconfigurability
  - Predictive manteinance
  - Improved energy efficiency
  - Interconnected
  - Inbound & outbound integrated quality control

#### 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



### I benefici: oltre la fabbrica



**Production** 

Flessibile, riprogrammabile e veloce

**Big Data Enabled** 

Interconnessa e cloud

**Open Source** 

**Efficiente** 

Manutenzione predittiva & augmented operator

**3usiness** 

Migliore time to market

grazie al collegamento diretto con ERP aziendale Nuove opportunità di business

Customization, small batches

Migliore livello di servizio

e controllo qualità puntuale

Finance

Ottimizzazione indicatori economico-finanziari

Incentivi fiscali Industry 4.0

Improved project ROI, Payback ratio e OEE



# BACKUP

### **Smart Factory**





### Our products & services

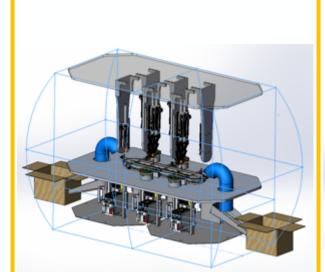


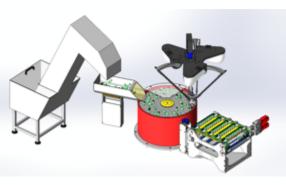
### Our selling arguments

### **Our products**



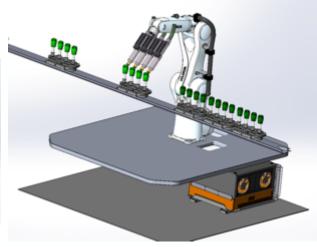
### **Flexim Automation assembly**





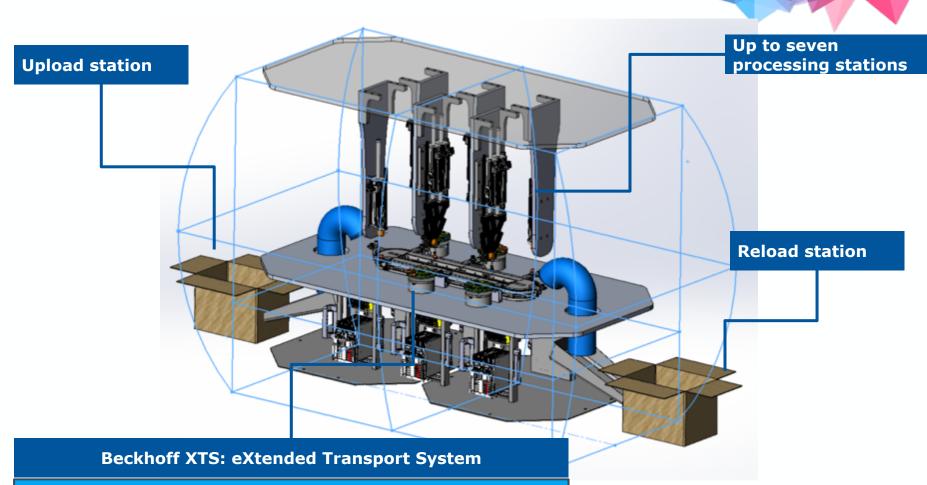
#### **Flexible Feeder**

### **Custom project for Cosmetics**



### Flexim functionalities

Our products



- Megatronic system, combining benefits of linear and rotary system
- **Free movers**, no cables, frictionless, maximum precision
- **Maximum efficiency and flexibility**, being 100% reprogrammable and adaptive to increased production needs
- **Synchronus travel**, constant clamping force, adjustable relative force
- Arbitrary installation position, customizable shape

Watch

- Unlimited power, controlled by an EtherCAT iPC







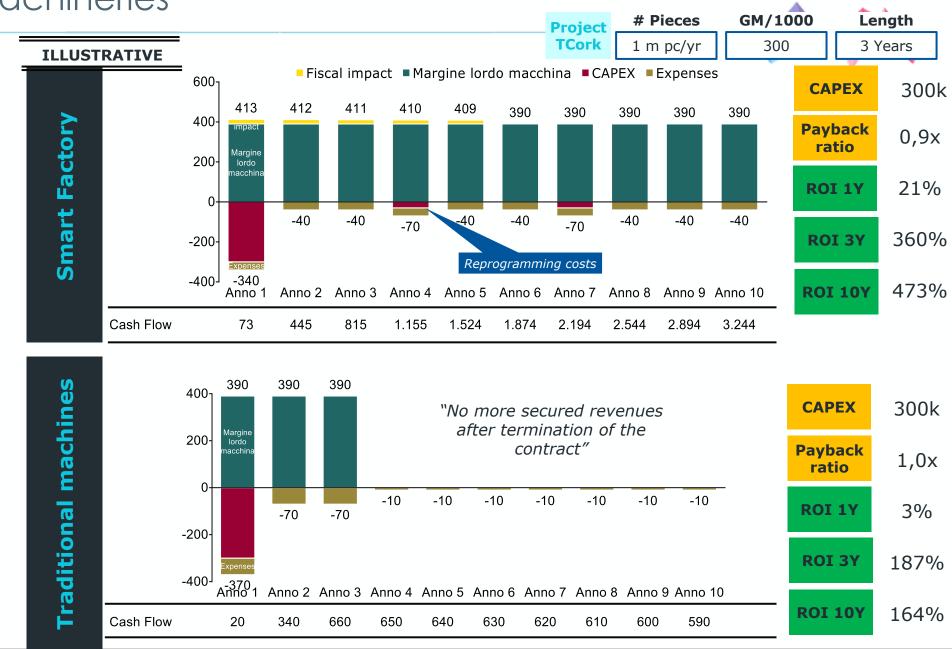


### Flexim 45 KPIs vs comp. traditional machinery

Our products

KPIs	SMARTLY 4S	traditional
Nominal speed	80pcs/min	60pcs/min
Real speed	60pcs/min	60pcs/min
Energy consumption	XXXX	XXXX
Compressed air	X	
Cloud data analytics		X
Preventive mantainance		×
100% reconfigurable		X
Iperamortization*	250%	normal

### Flexim 4S has better ROI & payback ratio vs traditional machineries



### Flexim 4S ensures increased asset utilization rate, hence higher ROCE

REAL EXAMPLE ON GC PROJECTS UNDER SCRUTINY	ST-GERMAIN	V I N E	BÉNÉDICTINE	Overall impact		
# Components	3	3	2	8		
Pieces/year (mln)	2,5	1,7	1,5	5,7		
Traditional Machines	: KPIs and costs ass	ociated to production	lines			
Thoughput (pz/min)	37	50	50 48		44	
Utilization rate	21%	10%	10%	15%		
Occupied space	20mq	20mq	20mq	60mq		
Maintenance +Labor	TBD	TBD	TBD	TBD		
Machine cost	180.000	285.000	55.000	520.000		
Industry 4.0: KPIs ar	nd costs associated	to production cycle				
Thoughput (pz/min)	60	60	60	60	1,4 x	
Utilization rate	13%	9%	8%	29%	1,9 x	
Occupied space	20mq	20mq	20mq	20mq	0,3 >	
Maintenance +Labor	TBD	TBD	TBD	TBD		
Machine cost	n.a.	n.a.	n.a.	500.000	0,9 x	

### Flexim 4S opens up new businesses opportunities



Brand	Project size Gross year (		Project 1YR ROI w/ traditional m.
THE ORDIGINAL ARTICAMAL GRAPPA AND ANNARAS	1,2 m pc/yr	480.000 (400)	-10%
BRAULIO	1,0 m pc/yr	380.000 (380)	-12%
CHAMBORD.	1,0 m pc/yr	250.000 (250)	-15%



### New approach thanks to 4.0

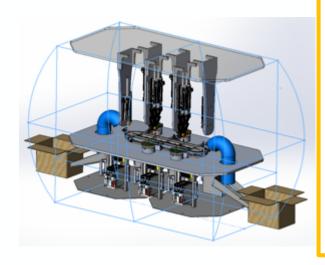


Production bundle			Investment		Analytics	
THE ORDERINAL ARTHEANAL GRAPPA AND ANNARO	3,2m p/yr		400,000		Payback ratio	0,9x
BRAULIO	, 		Smartly + 3		ROI 1Y	21%
CHAMBORD.	1,1m €/yr		extra stations		ROI 3Y	360%

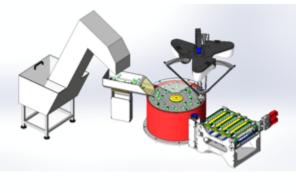
### **Our products**



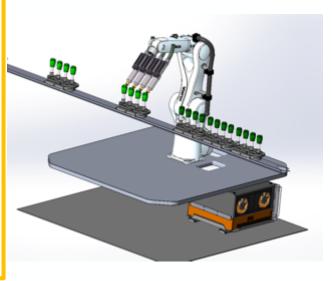
## **Flexim**Automation assembly



#### **Flexible Feeder**

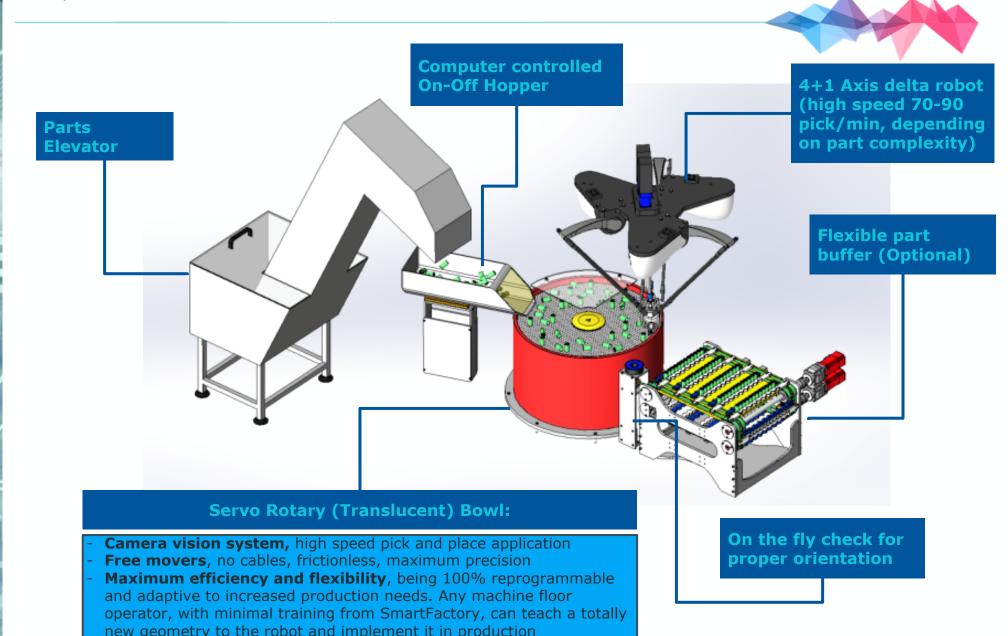


# **Custom project for Cosmetics**



### **Smartly 4S functionalities**

Our products

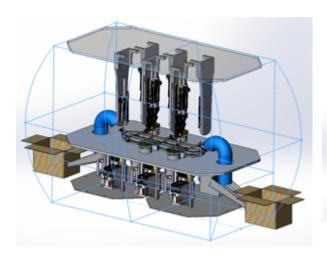


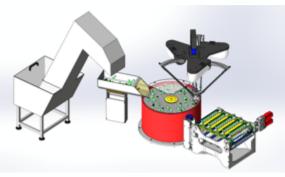
### **Our products**



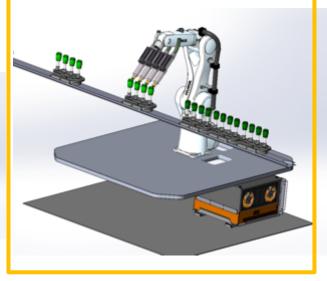
# **Flexim**Automation assembly

#### **Flexible Feeder**





# **Custom project for Cosmetics**



### Smart M - Plasmatore



https://www.youtube.com/watch?v=XTdtR7gDI1I

https://www.youtube.com/watch?v=5MKRYOkNsZM