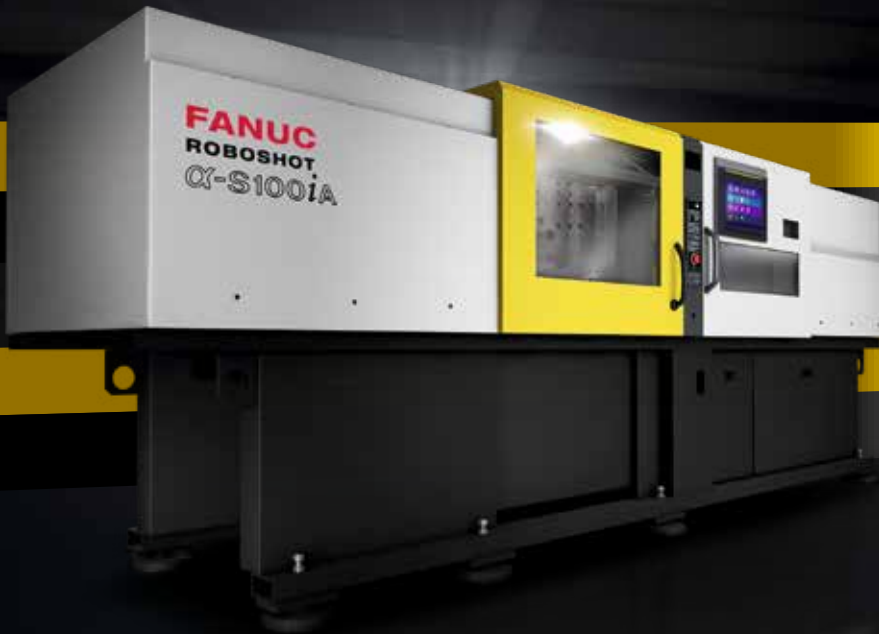


THE FACTORY AUTOMATION COMPANY

**FANUC**

# FANUC ROBOSHOT

Lowest energy consumption worldwide.  
Lowest total cost of ownership on the market.



**FANUC** versus

other hydraulic  
machines

**Save up to 50 – 70 %**

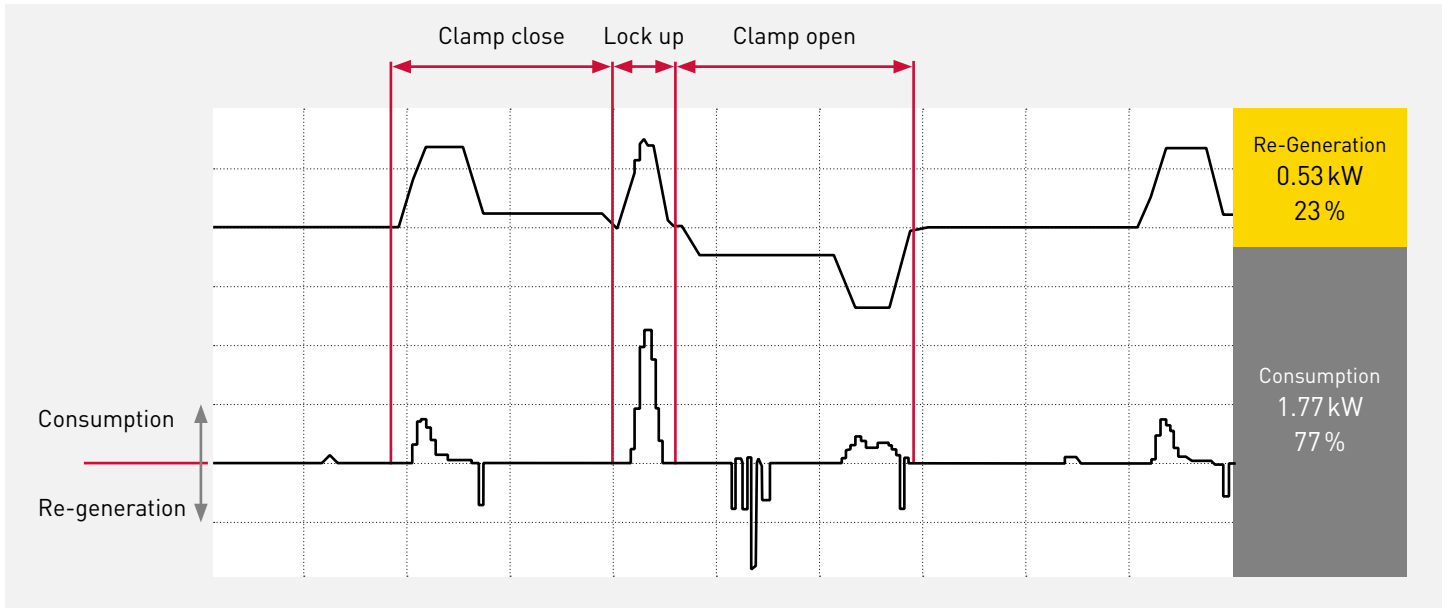
**FANUC** versus

other electrical  
machines

**Save up to 10 – 15 %**

FANUC ROBOSHOT  
**The ultimate electric CNC  
injection moulding machine**

## Re-generation function clamp axis



## Advantages of electric over hydraulic injection moulding

	Hydraulic Machine	Electric Machine
No oil cooling (low cooling capacity & consumption)	-	✓
low heat emission to environment (clean room)	-	✓
No oil recycling costs	-	✓
Low environment & fire protection costs	-	✓
Low maintenance costs	-	✓
Parallel movements standard	-	✓
Fast and controlled acceleration	-	✓
Precise pressure & plasticize control (esp. low viscosity materials like LCP and PA)	-	✓
Less start-up bad parts & higher output	-	✓

## Power consumption comparison producing sweet boxes

24 cavity mould / 5.6 s cycle time  
 FANUC 300 t 56 mm screw vs. 200 t hydraulic 50 mm screw

230 days / year	200t hydraulic (Average)	FANUC 300t
8.13 cent € / kWh	-	-
Yearly production (boxes)	84,314,057	112,418,743
Yearly consumption (kWh)	300,611	120,597
kWh / box	0.0036	0.0011
€ / box	0.0002899	0.0000872
Delta [€ / box] %	70%	-