

How to translate digitalization of closure manufacturing into a real economic advantage

PETplanet

PETinar

Technical highlights @ Drinktec 2022
September 1st 2022

The generation of data

The elaboration of data

The profitability of data



SACM@drinktec

SEPTEMBER 12-16, MESSE MÜNCHEN

HALL B5 | BOOTH 304/302/101



We are where you are. Our network speaks our customers' language.



Economic sustainability 2021

SALES &
SERVICE
REVENUES

€ 1.54 bln

NET EQUITY

€ 733 mln

EXPORT

86%

EBITDA

€ 145 mln

EMPLOYEES WORLDWIDE

4,720

Environmental performance

6 CLEAN WATER AND SANITATION



-36%

waste water delivered to and treated by internal purifier since 2019

RESPONSIBLE CONSUMPTION AND PRODUCTION



- 5%

tons of (non-recyclable) waste sent for disposal since 2019

7 AFFORDABLE AND CLEAN ENERGY



44%

of electricity
requirements
self-produced
(trigeneration +
photovoltaic system)

Innovation & research

University and Research

100

active partnerships in 2021 on strategic projects

Investment in R&D

€ 150 mln

in the last three years

4,960
patents filed since the Group's founding

300

highly qualified technicians employed at the Imola Research Center



SACMI develops multimaterial packaging solutions for the most diverse of beverages and food producers all over the globe.



REDUCE-REUSE-RECYCLE

SACMI is at the forefront of the global transition to a circular economy in the packaging field. The 3Rs approach:

- Lightweighting (reduce)
- New PCR resins (recycle)
- Returnable packages (reuse)

Use of

recycled plastics (rPET)

Development of

tethered

to limit dispersion of Caps plastic into the environment

Weight reduction on plastic cap-bottle systems of over



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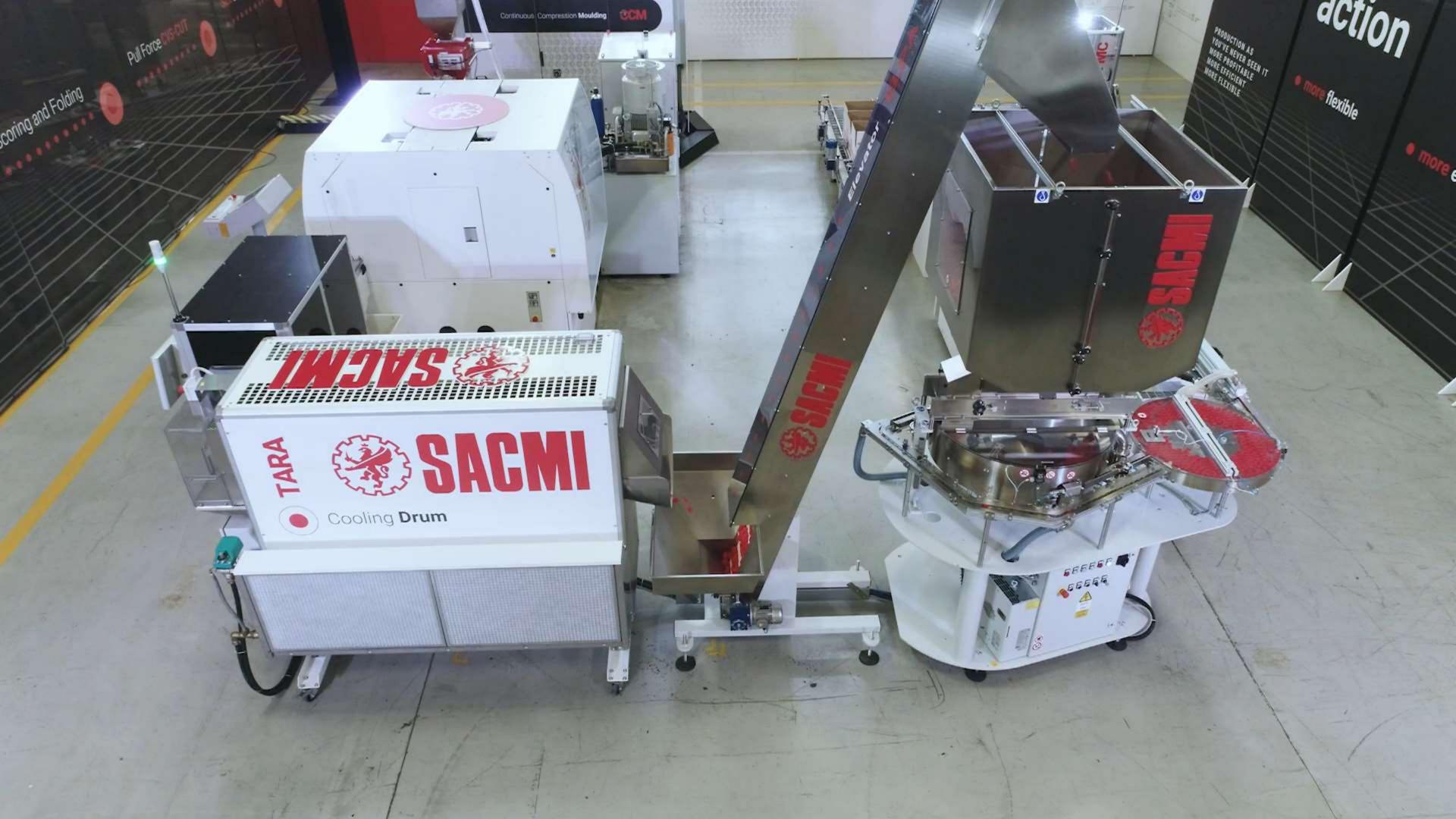
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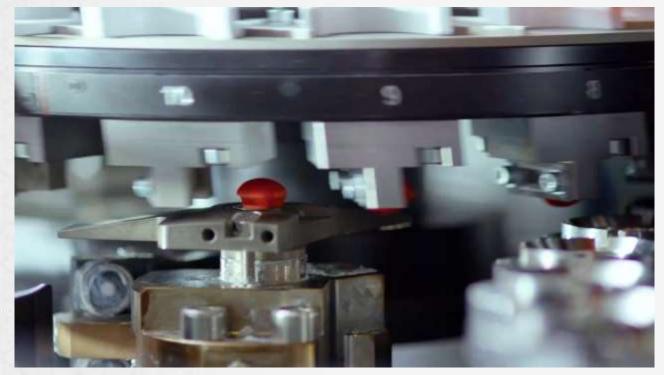
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FEATURES



MATERIALS CONTROL



PELLET
INSERTION



HYDRAULIC SYSTEM



THERMIC CONTROLS

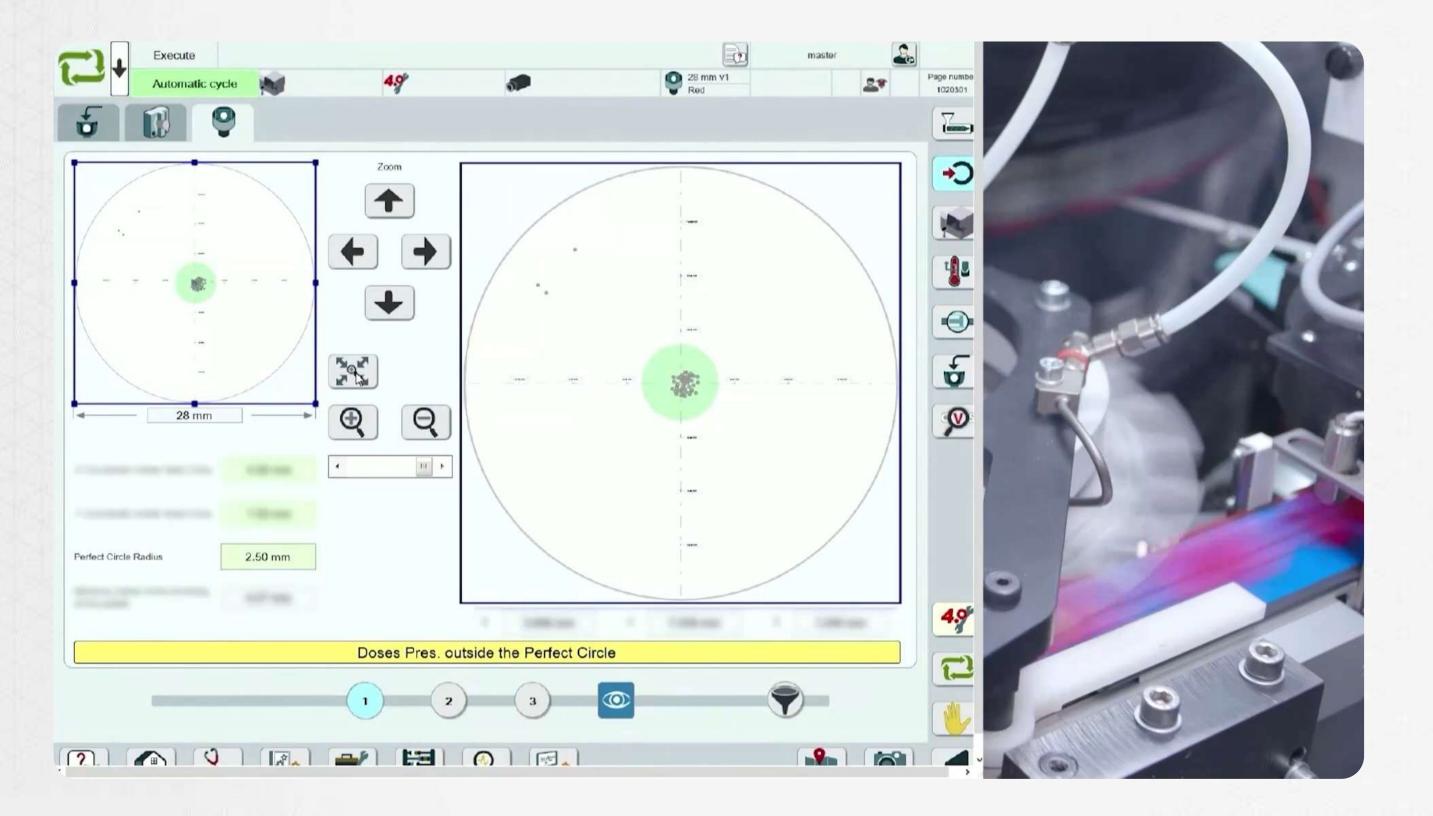






DIGITALIZING PELLET INSERTION

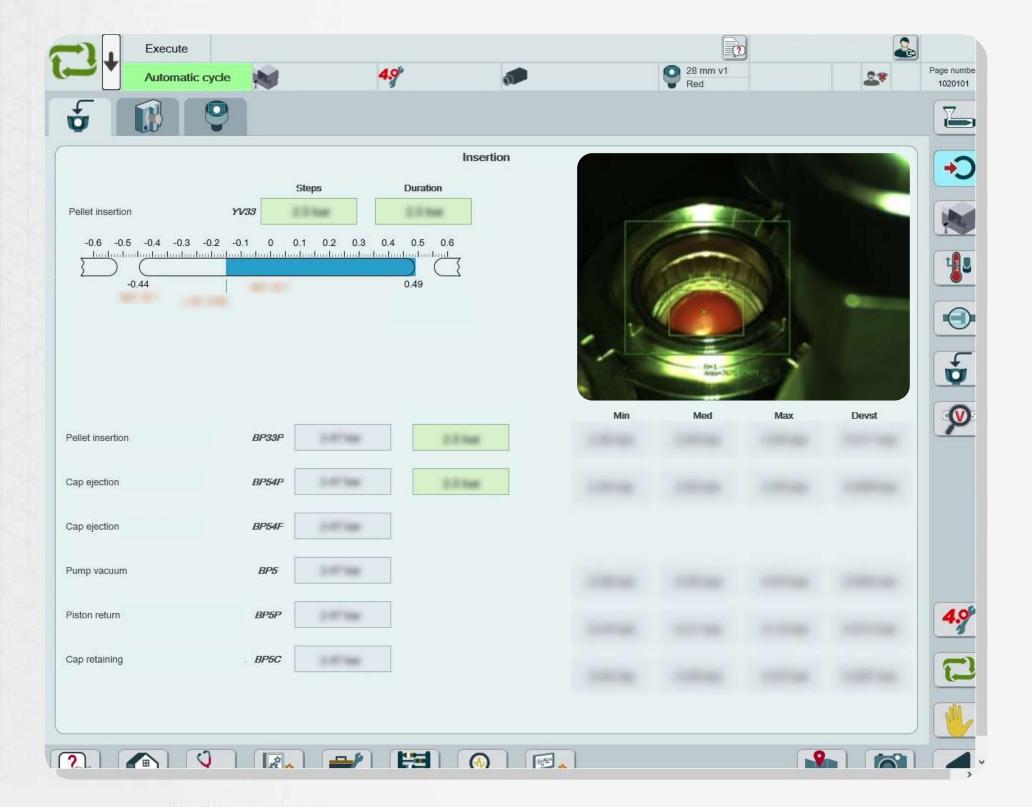






ACCURATE PELLET INSERTION CONTROL





The time for pellet cut and insertion adjustment is reduced by more than 50%.



EASY CONTROL OF PELLET INSERTION

QUALITY



Process consistency

DIGITAL



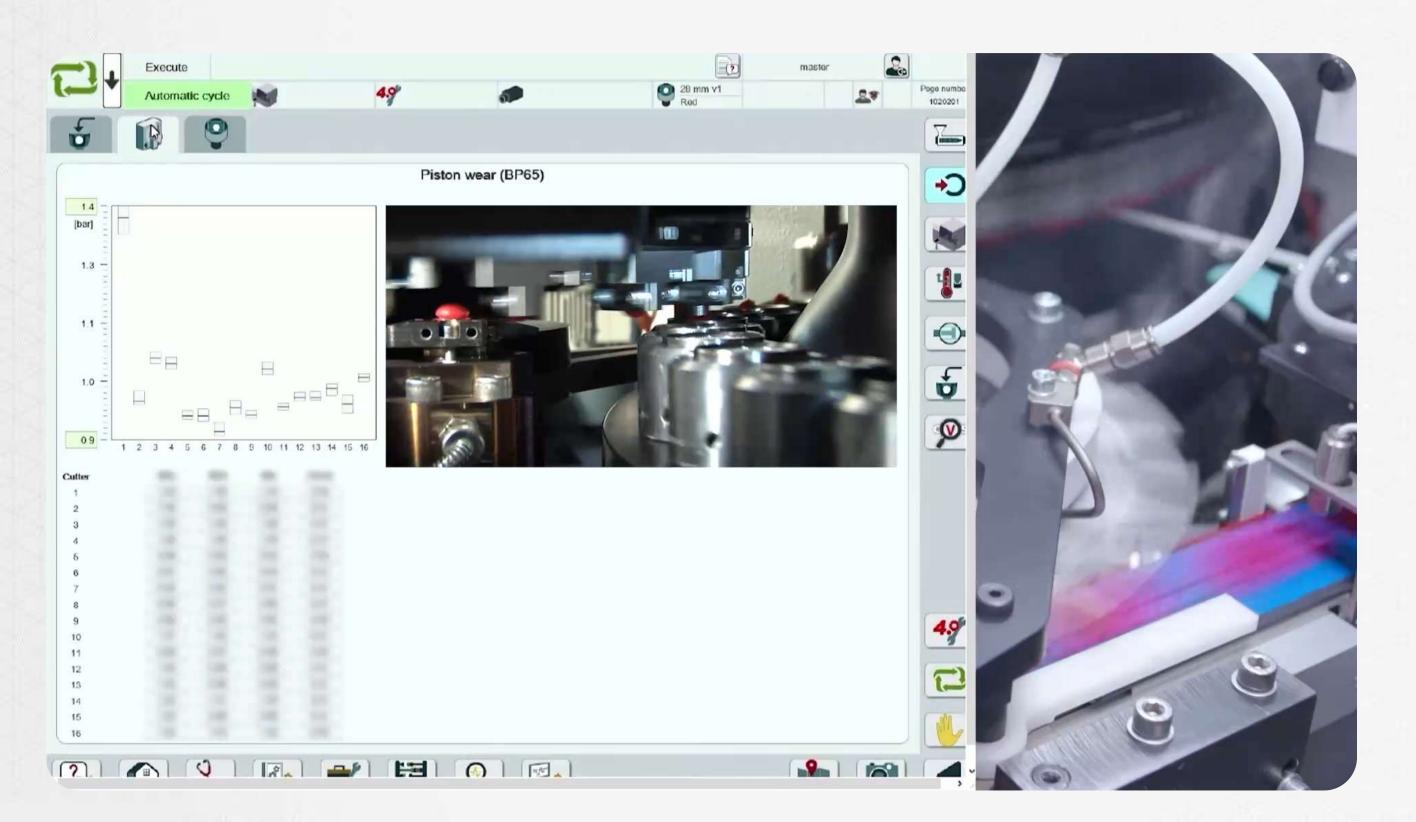
Digitalized dimensions

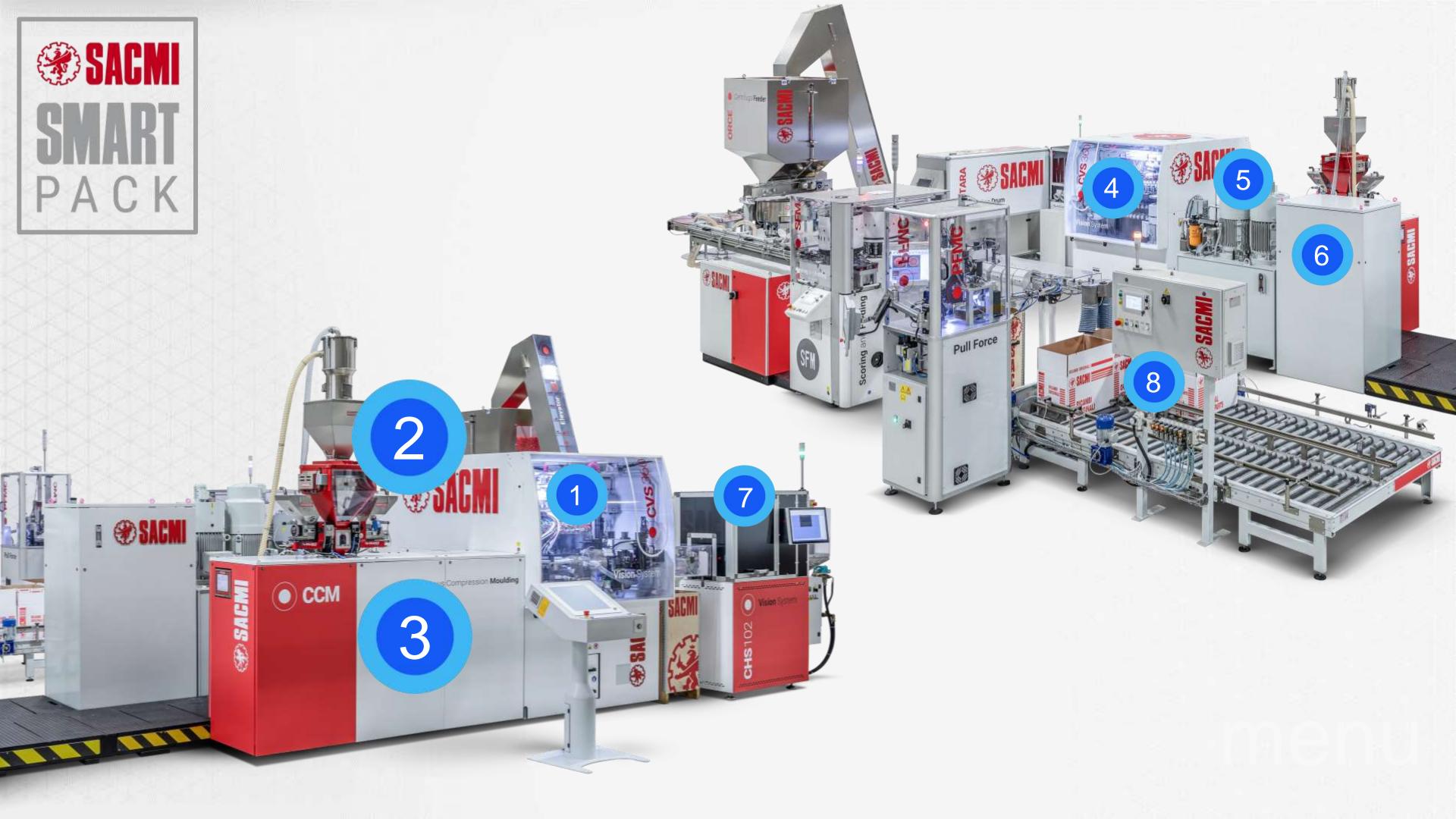




WEAR IS EASY TO SPOT









INCORRECT RESIN DETECTION

DIGITAL

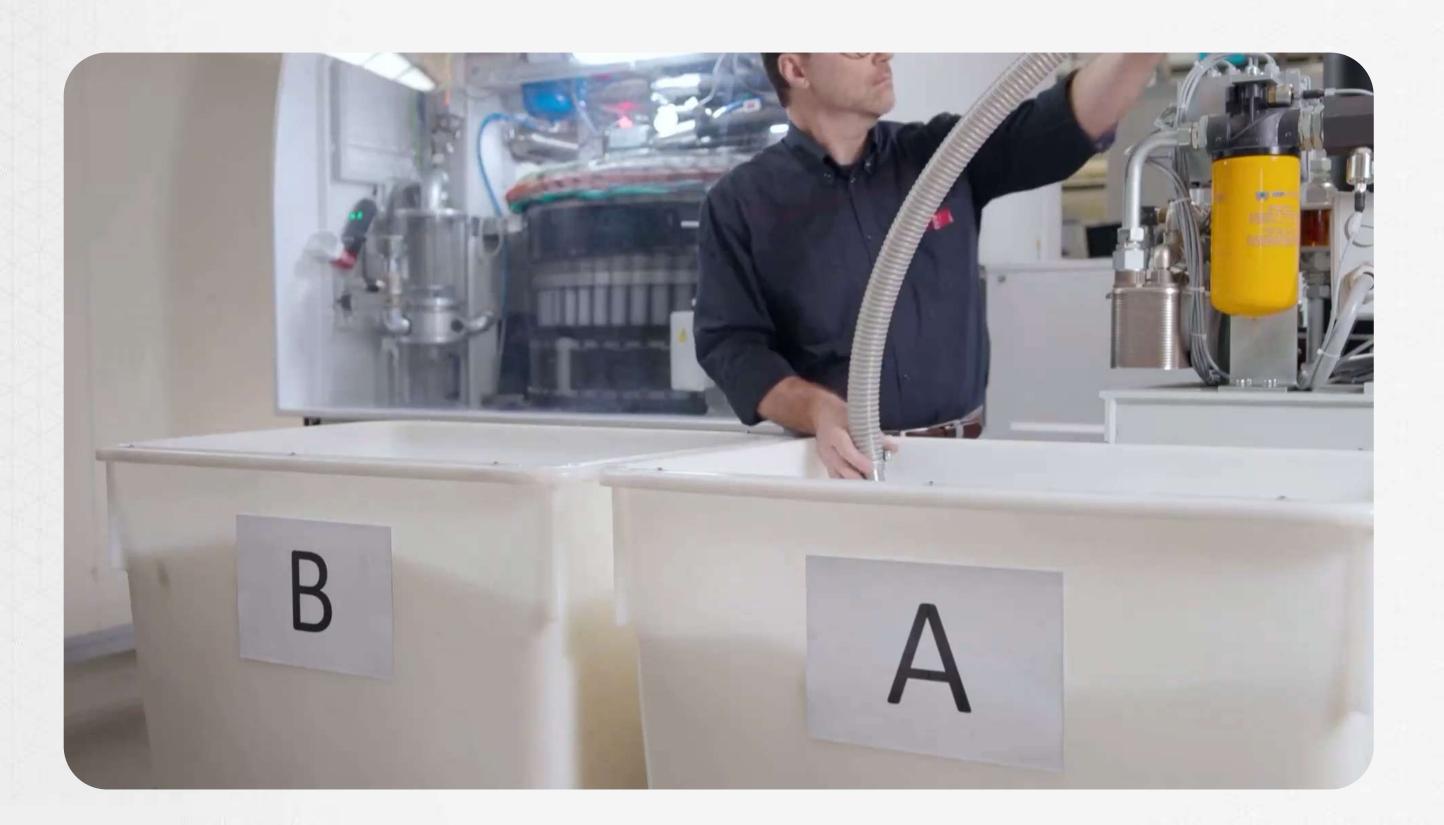
4.0

Digitalized dimensions

DIGITAL

4.0

Easiness Real time info





ASSISTED COLOR CHANGE

ASSISTED COLOR CHANGE

DIGITAL



Digitalized dimensions

DIGITAL



Real time info









POWERFUL AND LONG LASTING



management

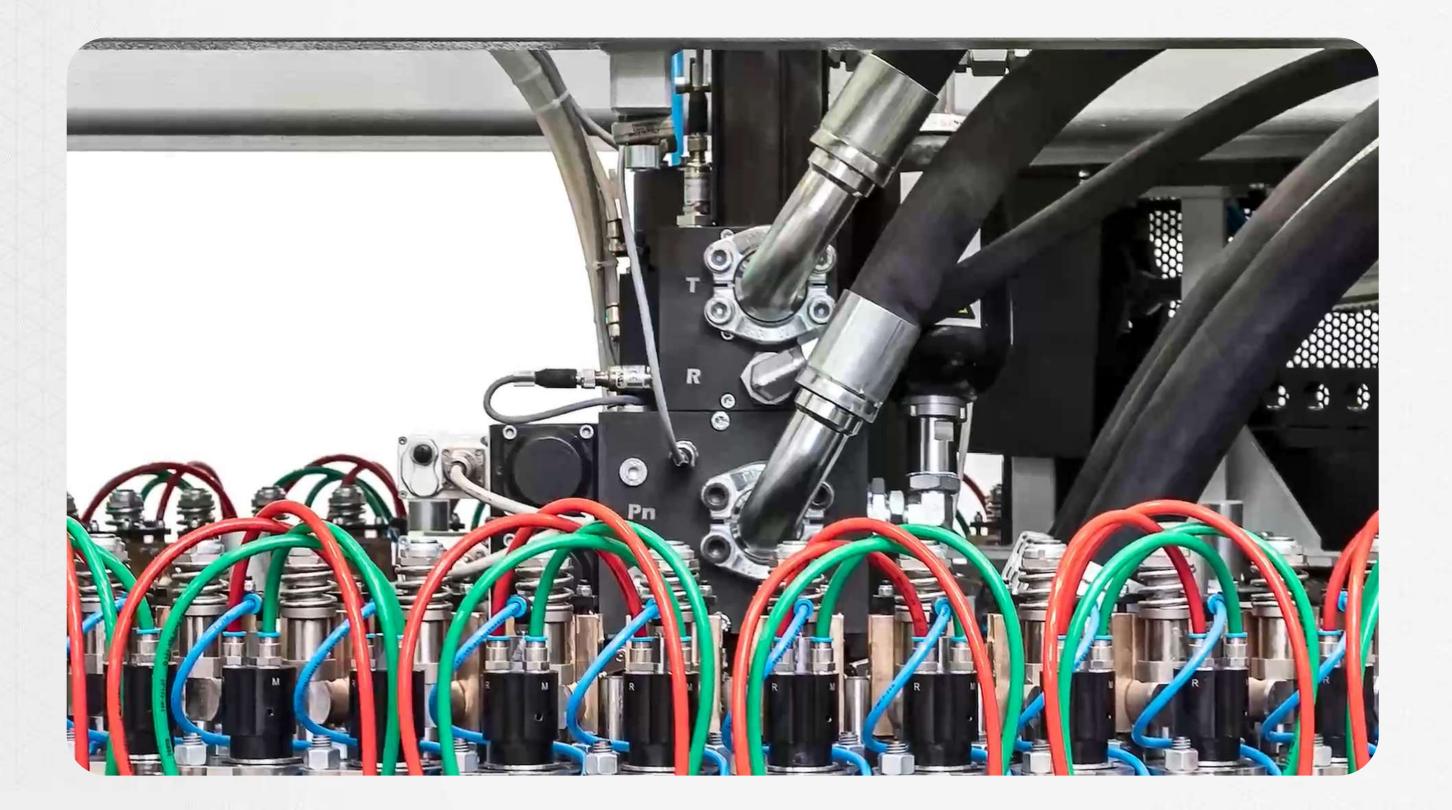




POWERFUL AND LONG LASTING









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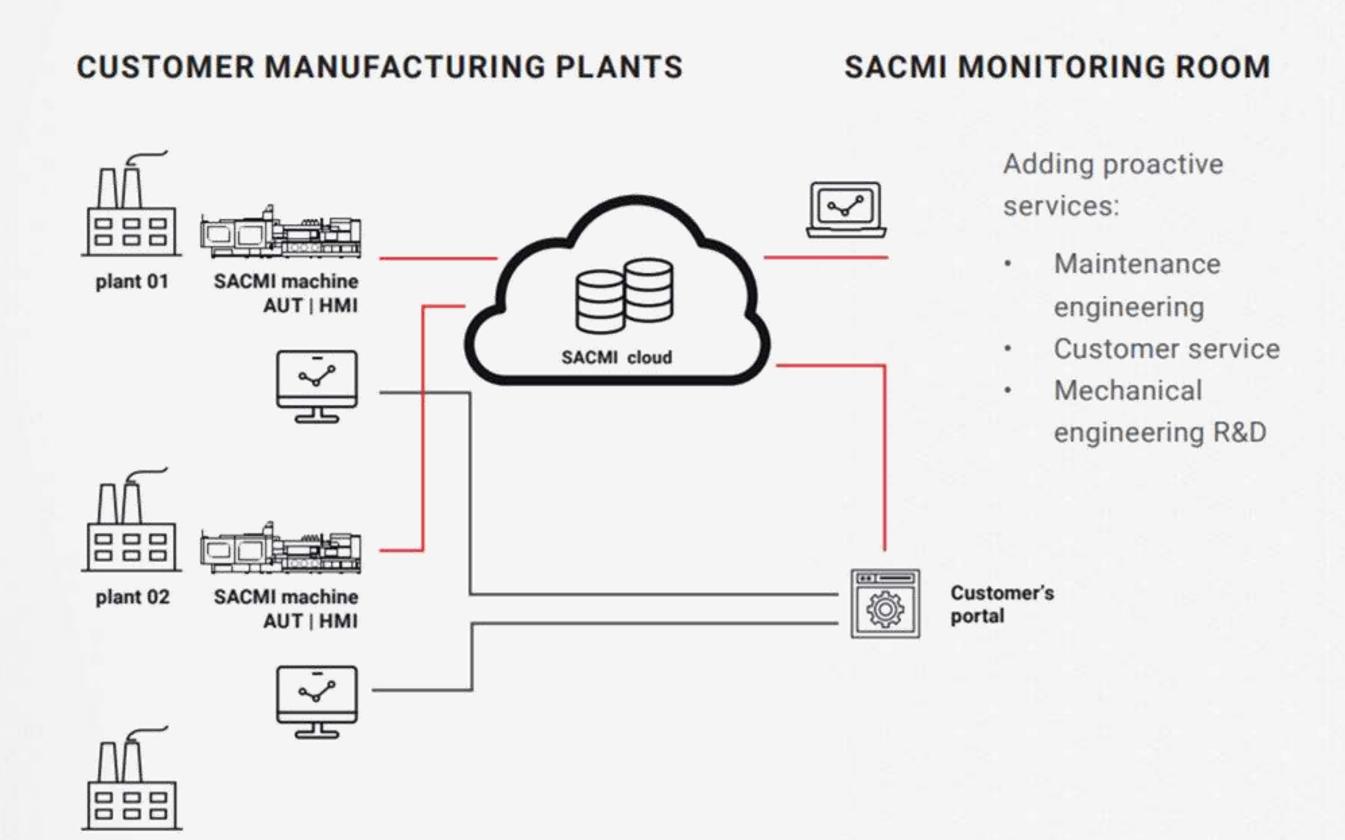
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plant ...





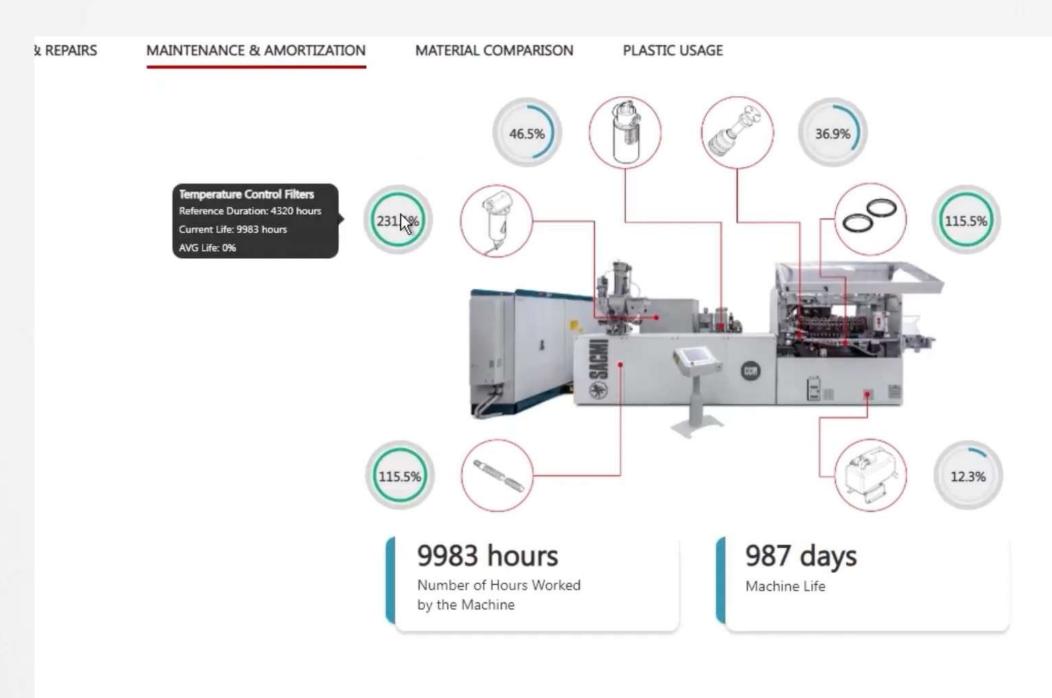


- 4.0 machine interface generation
- On-line PRODUCT quality control
- On-line PROCESS quality control
- Self-adjustment of fast phenomena aimed at maintaining production STABILITY



- Collection of production and process data (from sensors)
- Trend monitoring over long term
- Data processing
 with algorithms/analytics
 to maximize performance over time
- Generation of PREDICTIVE maintenance alerts
- Main production KPIs







- KPI monitoring system, machine health status
- Prediction system for PREDICTIVE maintenance activities
- CLOUD Architecture
- The customer can access the platform, consult the dashboards, and take action independently



PREMIUM

for REMOTE

engagement with the

SACMI team



PREMIUM plus
MAINTENANCE contract to
combine

- REMOTE monitoring from SACMI, with
- periodical ON-SITE visits to perform maintenance tasks



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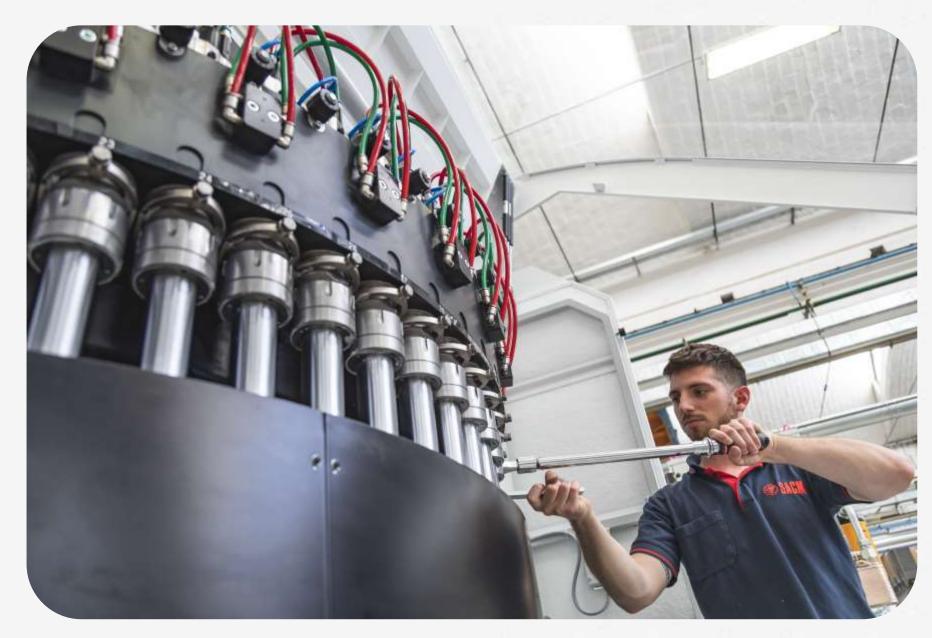
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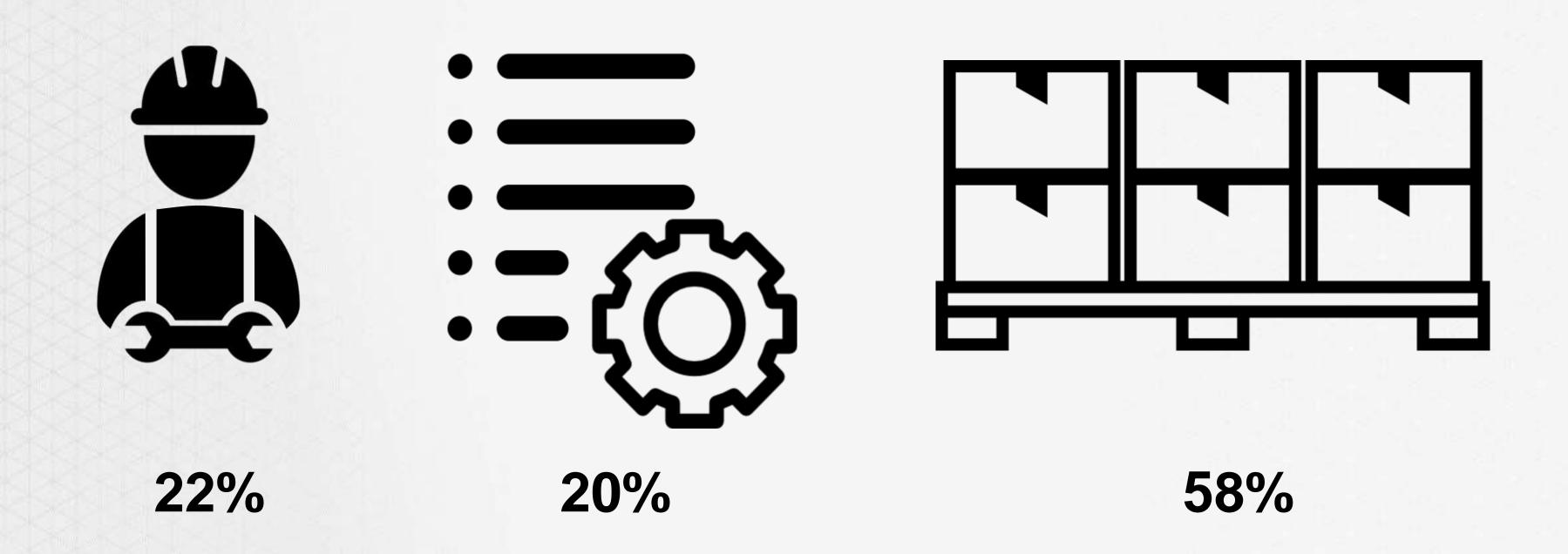
USE CASE FROM THE FIELD







SAVINGS ON 15.000 HOURS MAINTENANCE



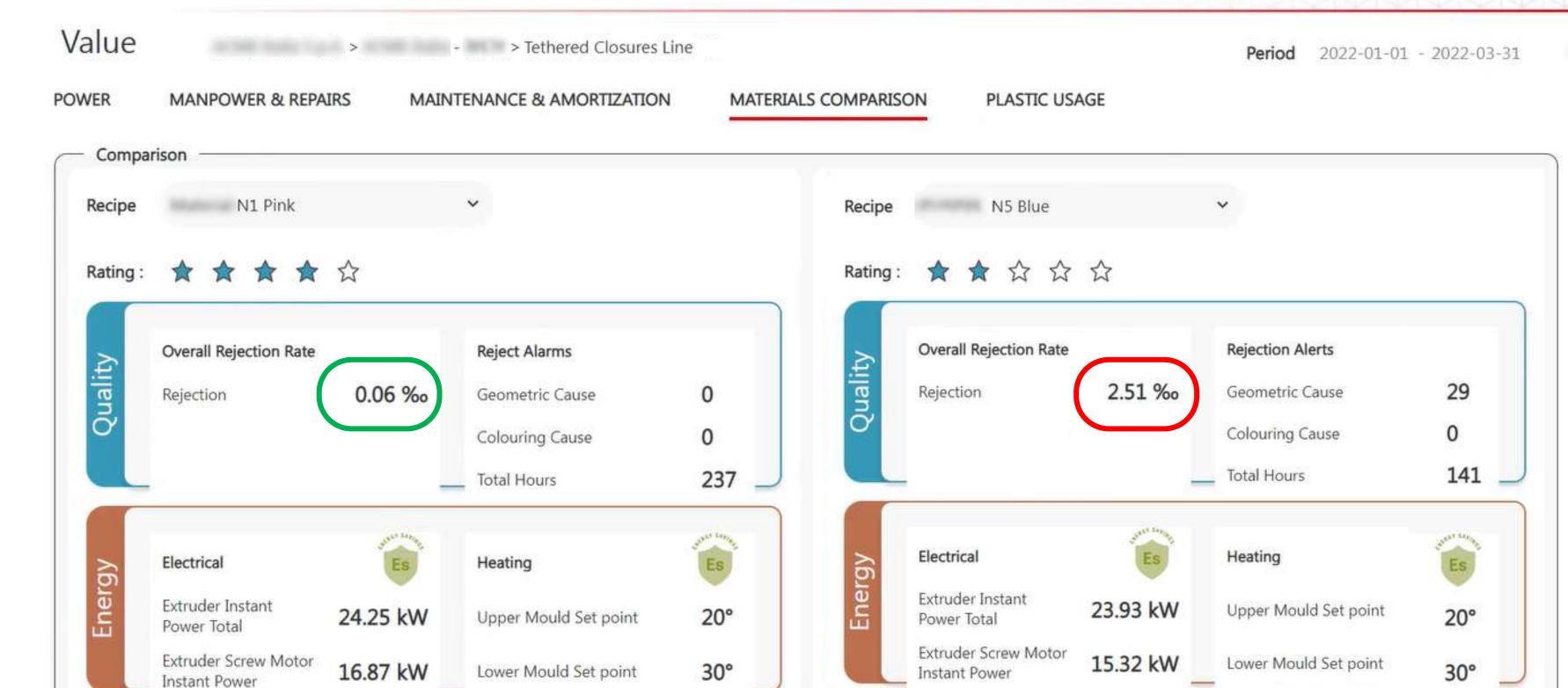


RAW MATERIALS SAVINGS













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Thank you for your kind attention