BLANKONTROL

INNOVATION & PERFORMANCE

# 2 TO 6 MONTHS ROI

How precise **blank temperature control** unlocks **efficiency** and **safe lightweighting**.

GLASSMAN
LATIN AMERICA 2026
20-21 May, Mexico City, Mexico

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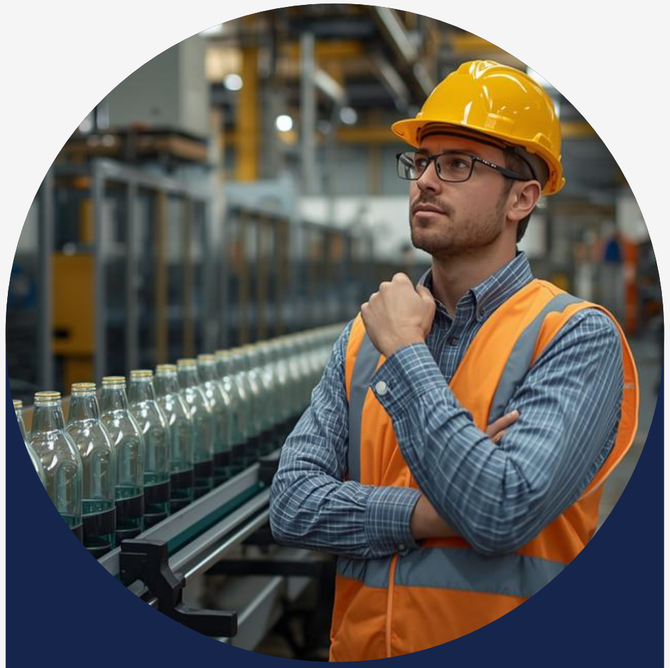

# PARADOX OF GLASS FORMING :

## You are controlling temperature without measuring it

### The blank side : most critical, least controlled

- No real-time measurement
- Operator-based decisions
- High cycle variability

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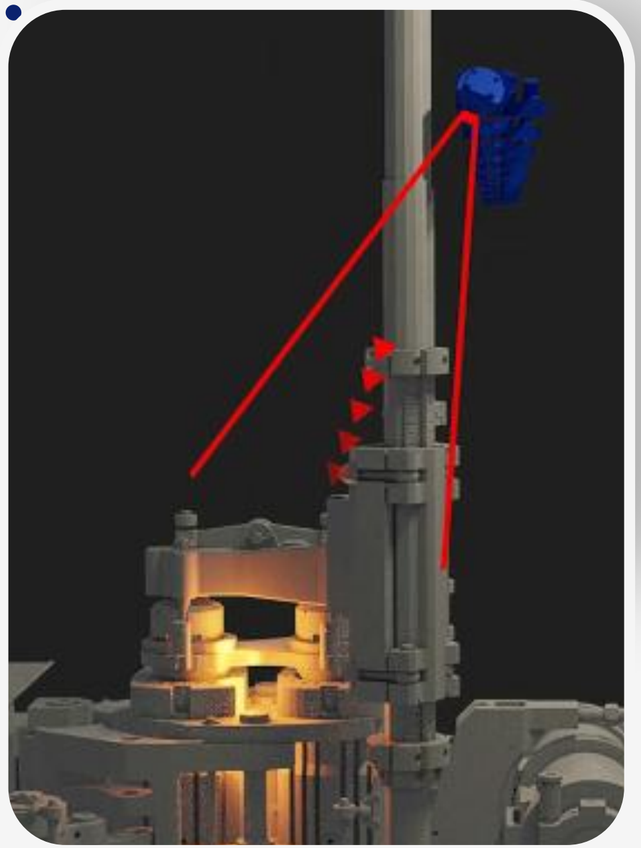
# BLANKONTROL SOLUTION :

## Real-time temperature control

- Molds and plungers Monitoring
- Every section every cycle
- Ideal Angle



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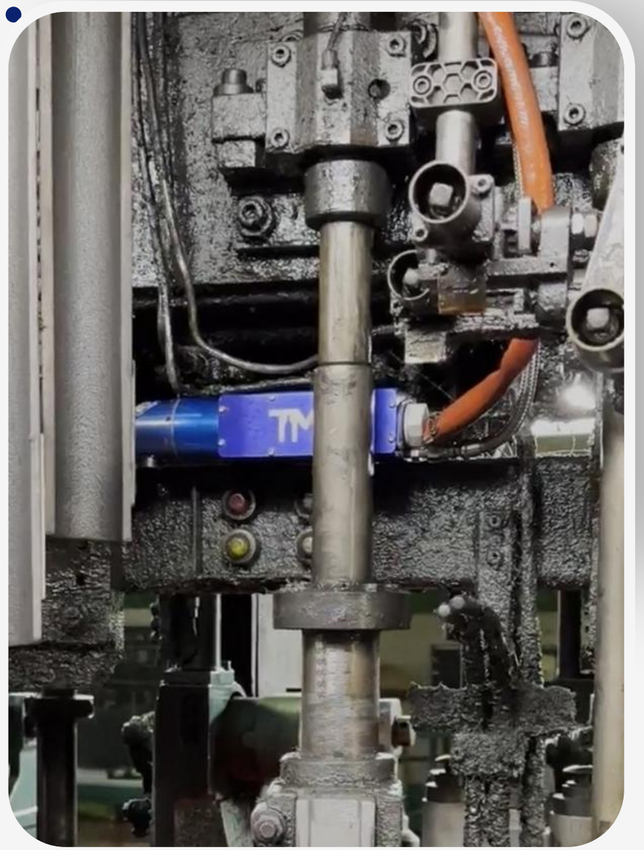
# BLANKONTROL SOLUTION :

## Reliable Measurement and regulation

- Maintenance Free : No dirtying
- No recalibration needed +/-2°C Accuracy



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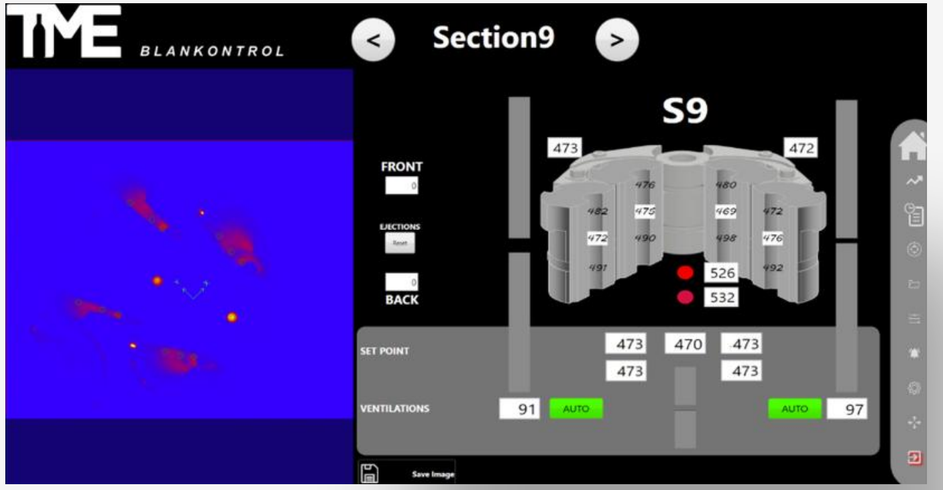
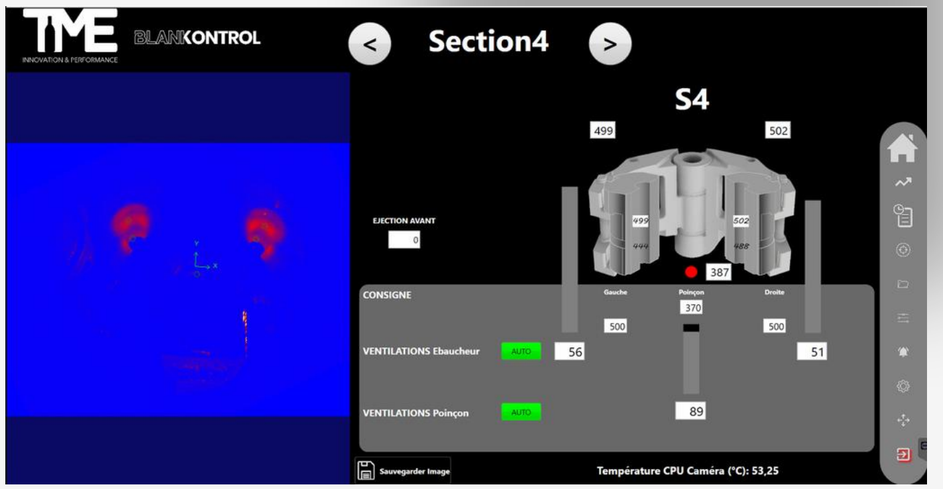
# BLANKONTROL SOLUTION :

## Compatible all type of coolings, all machines

- Excellent regulation adaptable to all type of cooling
- Compatible to all machines, all timers



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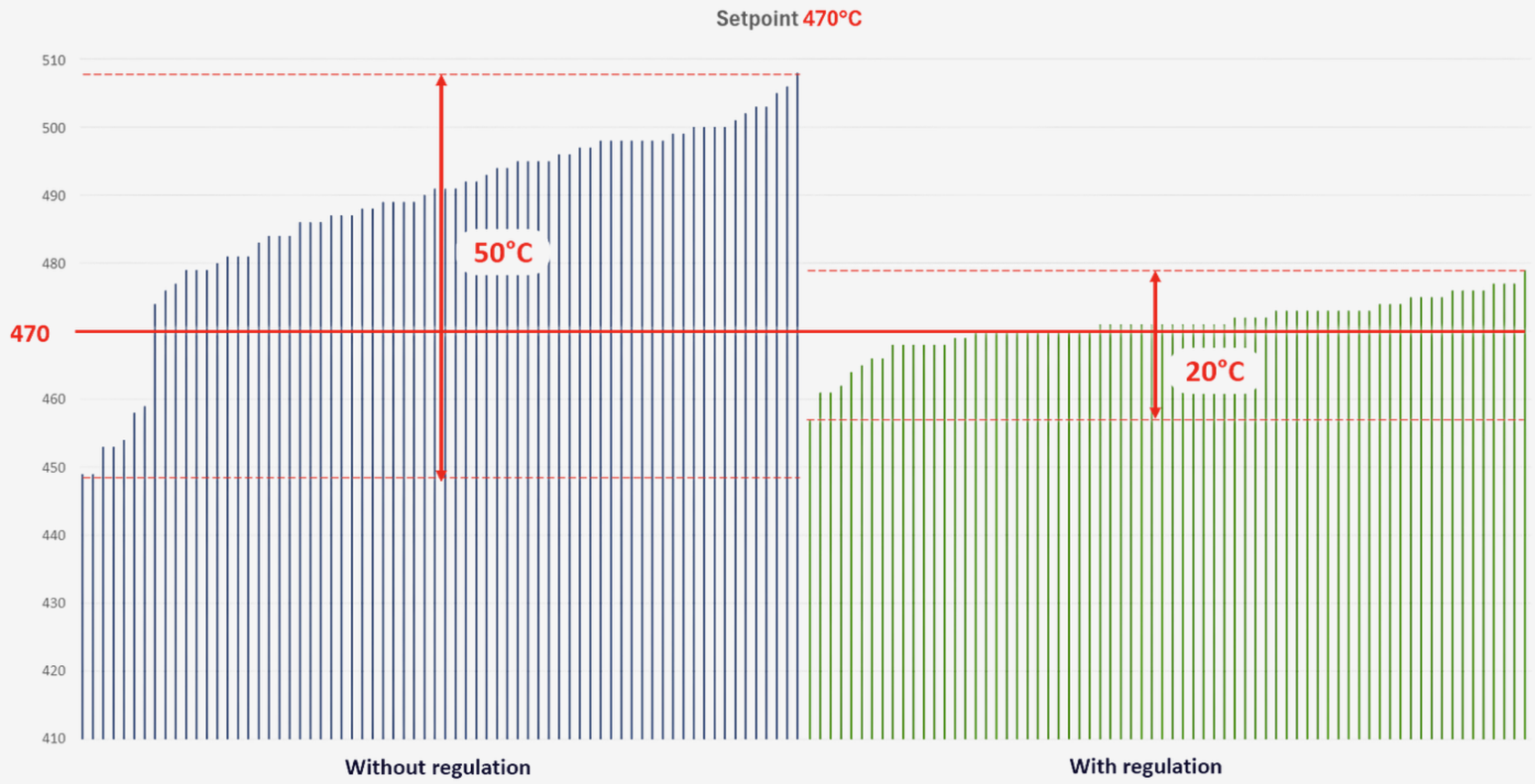
# REDUCES YOUR THERMAL DEFECTS :

## Process in under control




- Reduces defects on glass distribution, skin
- Direct impact of a minimum 3 points of yield
- Reduces the sorting costs

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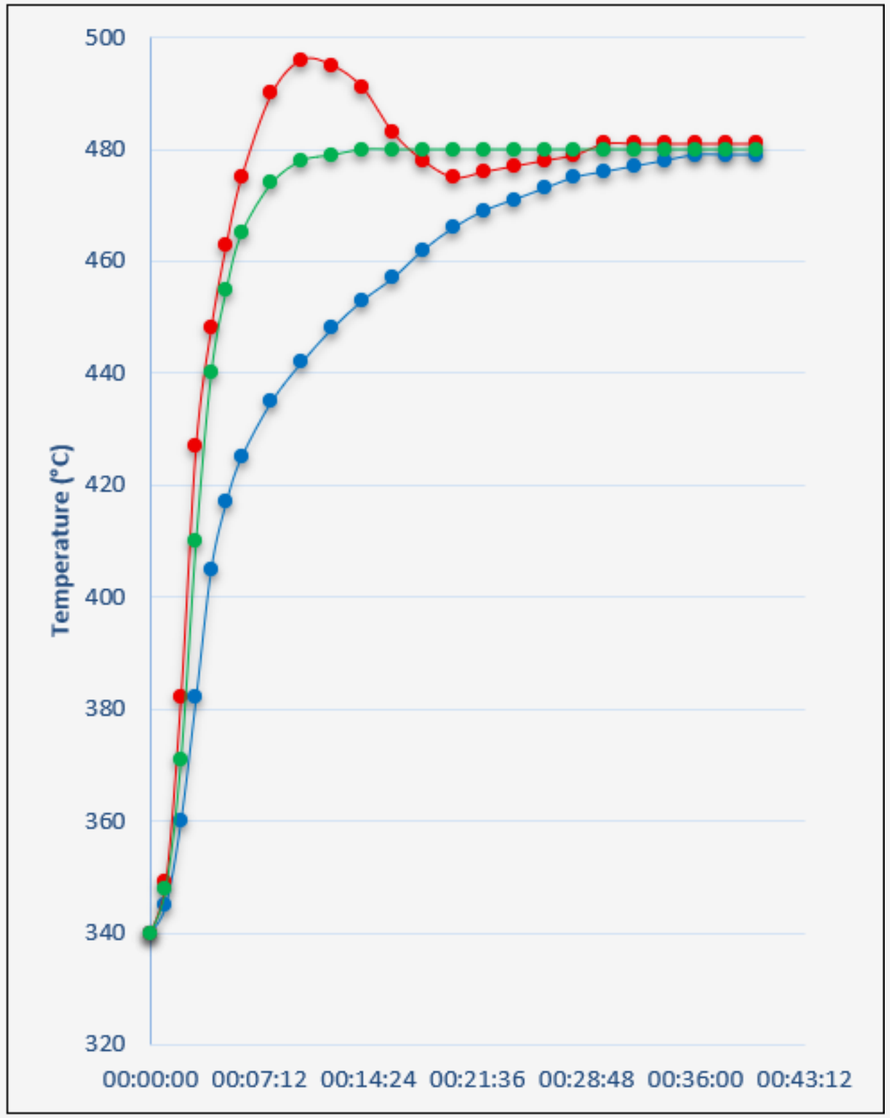


# BRINGS BETTER OPERATIONS

## Temperature is stabilized, cruise control is on

- Quicker warm up of the section
- No overshoot
- Divides the need of mold changes (and then reparation) by 2
- Put the focus of the glassmen on other topics

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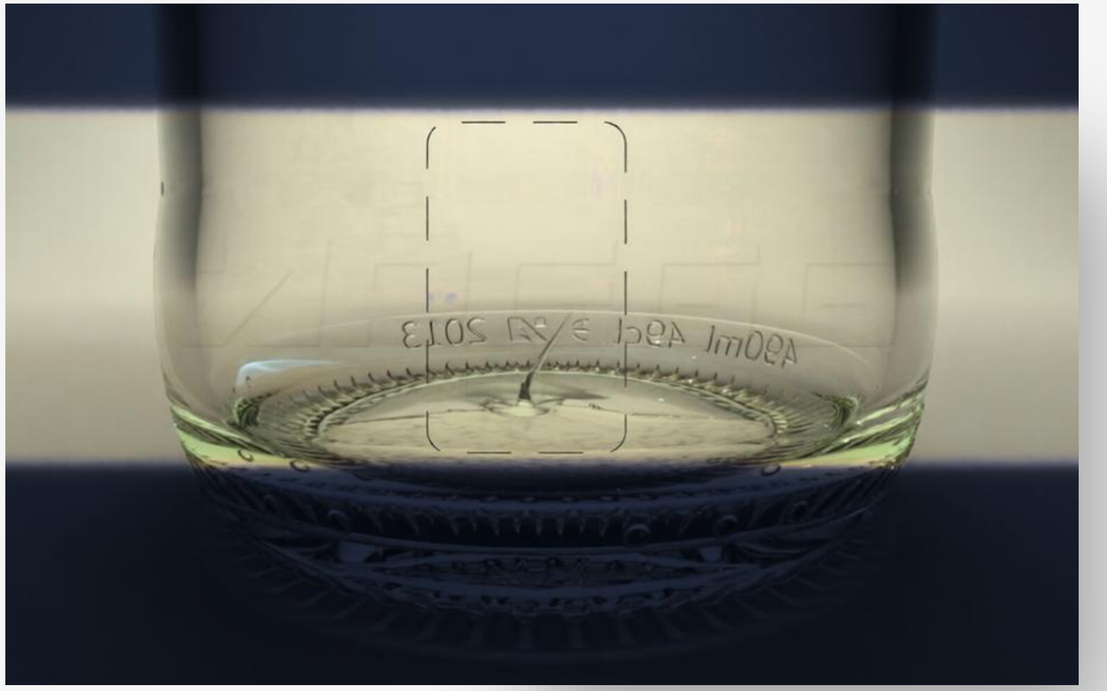
# GIVES QUALITY INSURANCE

## Certify to the end customer that no spikes were produced



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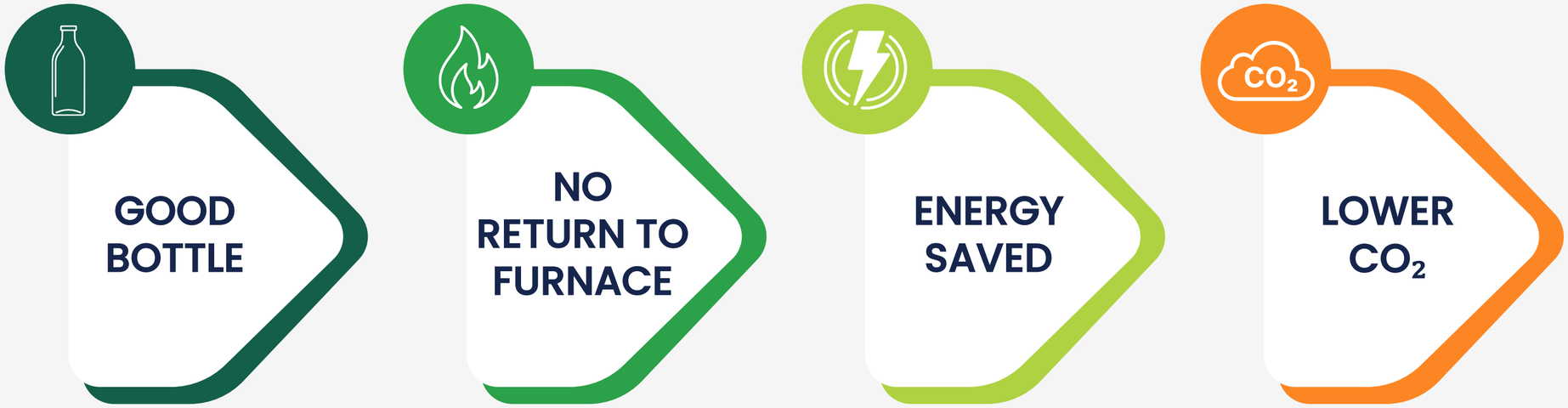
# CO2 GAINS

## All defective bottles avoided is energy savings



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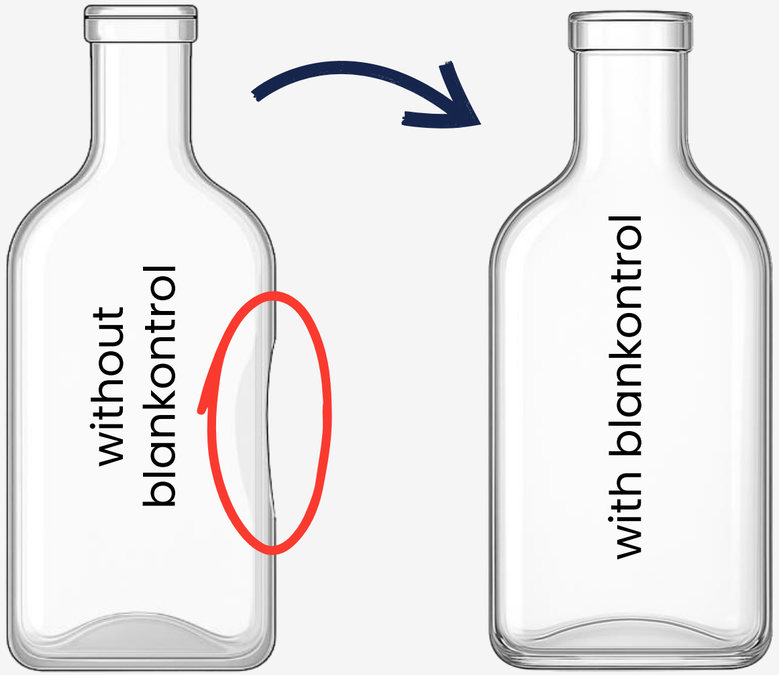
# ENABLE SAFE LIGHTWEIGHTING

## Even glass distribution allows lightweighting without breakage risks



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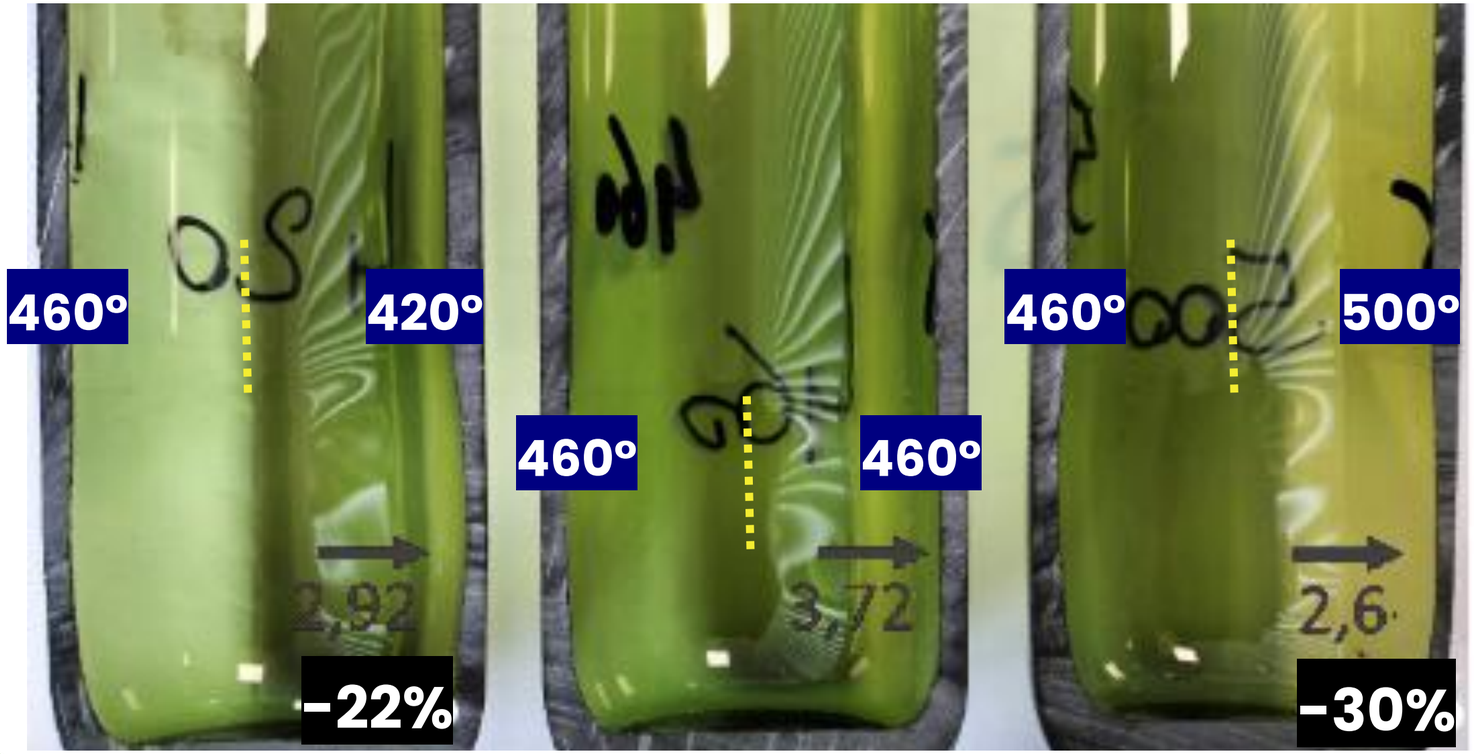

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# BUSINESS CASES BASED ON REAL LIFE EXPERIENCE

| Type of Gains / Sectors | Perfume | Spirit | Beer | Wine | Pharma |
|---|---|---|---|---|---|
| **Efficiency** | *+4,1%* | *+3,5%* | *+4,4%* | *+2,9%* | *?* |
| | *246 kUSD* | *468 kUSD* | *657 kUSD* | *406 kUSD* | |
| **Sorting** | *158 kUSD* | | | | |
| **Lightweighting** | | | | *-7%* | |
| | | | | *987 kUSD* | |
| **Quality Insurance (*No Spikes, No Glass String*)** | | | | | *Must Have* |
| **Total Gains /y** | *404 kUSD* | *468 kUSD* | *657 kUSD* | *1 393 kUSD* | *?* |
| **ROI in months** | **6** | **5** | **3,5** | **2** | **Must Have** |

**Sub-1-Year ROI — Confirmed by Real-World Customer Result**

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# MAKE YOUR OWN CALCULATION

## Check with your own data what will be your ROI

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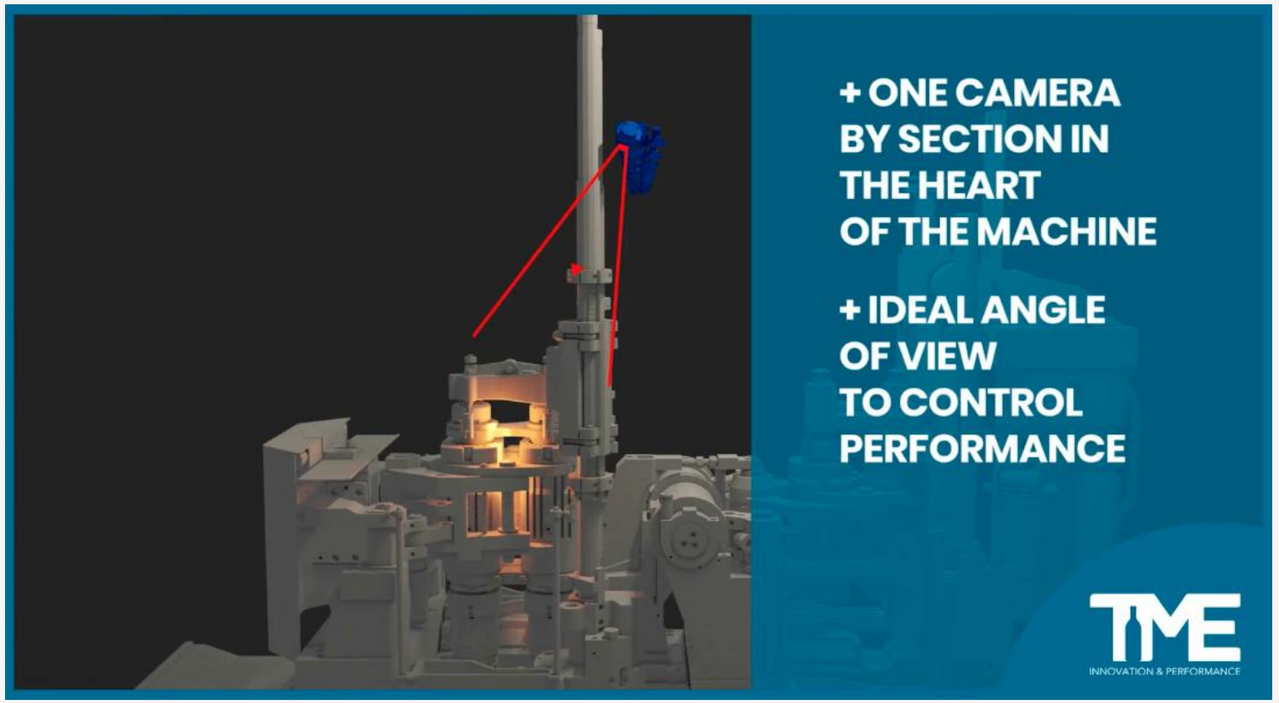
**Calculation of Blankontrol savings**

| Input data | |
|---|---|
| Number of sections | 10 |
| Tonnage (gross) per day | 90 |
| Average Yield before Blankontrol | 88,0% |
| Glass packed Ton Cost | $ 500 |
| Nb of days running/year | 365 |
| % Thermal defects | 5% |
| % Savings on the thermal defects | 80% |
| Number of sect. stops per day* | 12 |
| Cycles saved at restart | 8 |
| Number of cavity | TG |
| Average weight of bottle (in g) | 260 |
| Lightweighting contribution | 5% |
| Ton of CO2 per producted ton | 0,426 |
| CO2 Ton Cost | $ 76 |
| Resorting cost per month | $ - |
| % Saving on resorting | 25% |

| Output data | |
|---|---|
| Average Yield after Blankontrol | 92,1% |
| Savings in Defects(per year) | $ 747k |
| Restart Savings (per year) | $ 14k |
| Lightweighting gain (per year) | $ 723k |
| Resort savings (per year) | $ 0k |
| CO2 Savings (per year) | $ 90k |
| Nb of Tons of CO2 savings (per year) | 1 187 |
| **Total Savings per year** | **$ 1 573k** |
| **ROI number of months** | **2** |



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**Raphaël MALVEZIN**

**+33 391 920 491**

**www.tme-engineering.com**

**tme@tme-engineering.com**