SBT Management Module

Your process management in the palm of your hand

Process insights to guide action during production and track the performance of each indicator.



Operations

Immediate action on the process



Area leadership

Results visible on the shop floor



Management and executives

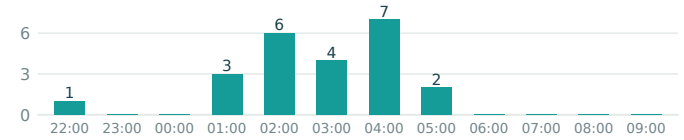
Indicators and alerts for decisions

Rolling Mill Finishing Area Indicators

Process insights to track area performance and guide interventions.

Examples of possible indicators:

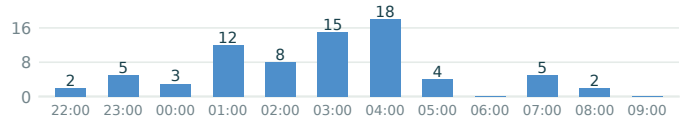
Short-bar occurrences



23 occurrences

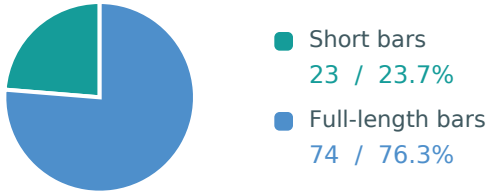
Full-length bars lost

(Full-length = commercial length)

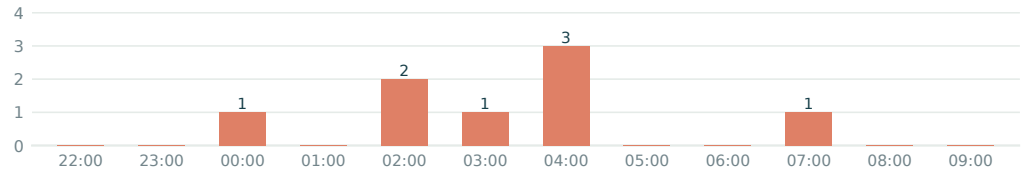


74 bars removed

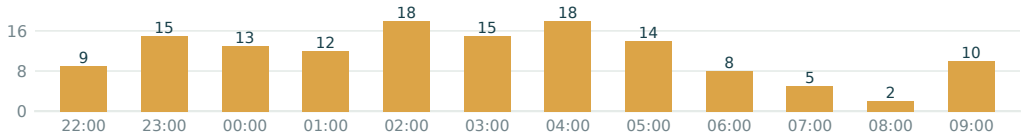
Finishing area metallic loss breakdown



Discrepancies (determined bar count vs. actual count)

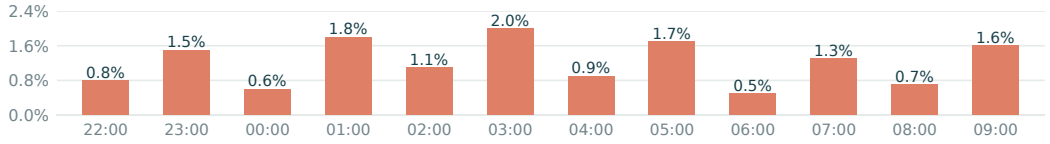


Bars lost to high linear mass



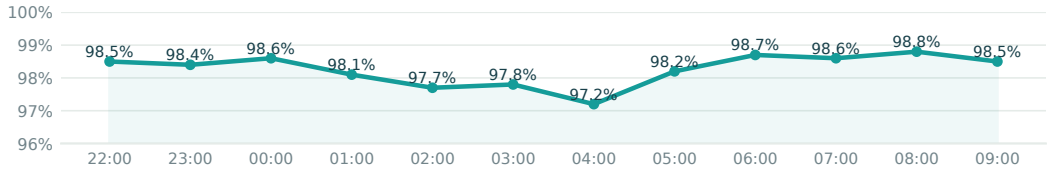
149 equivalent bars = R$ 2,883.15

Unrealized bar production



Above-target linear mass: unrealized production potential

Finishing area metallic yield

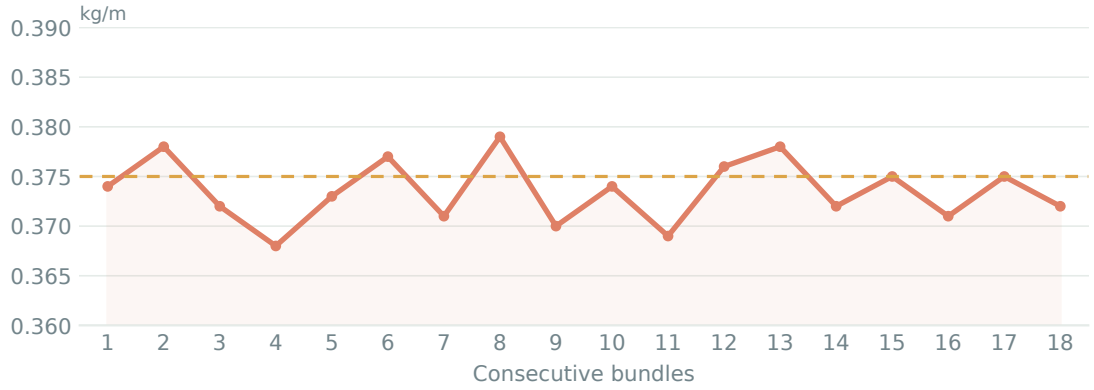


Need a report comparing linear mass across production plants?

Information acquired automatically in real time with maximum integrity, without human intervention.

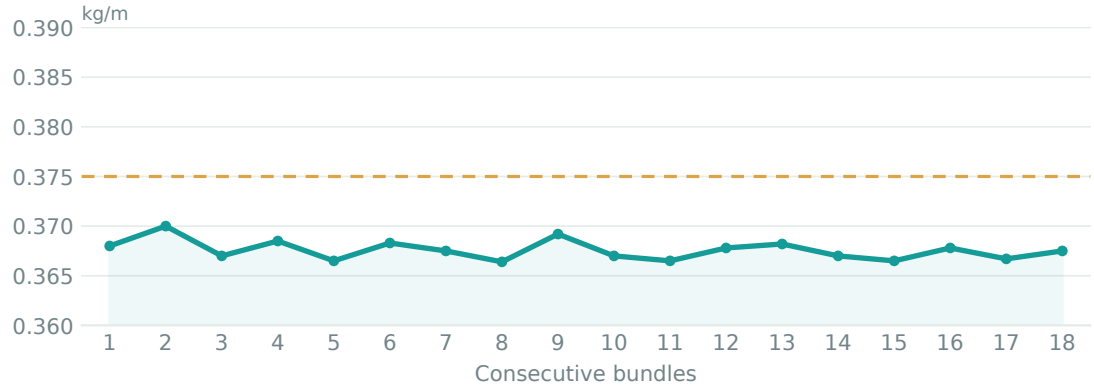
Query in real time or by period, using the same product and common calculation criteria across plants.

Plant A / Product 3/8”



Mean	Standard deviation	Statistical Downgrade Index (SDI)
0.374 kg/m	0.0031 kg/m	0.032%

Plant B / Product 3/8”



Mean	Standard deviation	Statistical Downgrade Index (SDI)
0.368 kg/m	0.0010 kg/m	0.0%

Plant A shows greater variation and points above the illustrative target. Plant B maintains lower variation. Comparing plants helps strengthen synergies between processes.

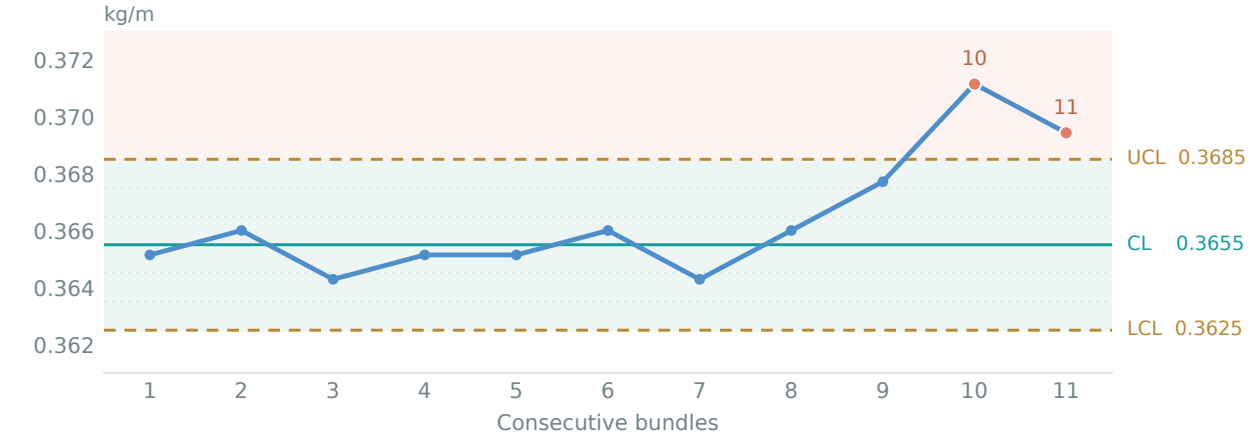
Linear mass behavior guides inspection

A change in behavior patterns can signal the need to inspect the rolling mill, helping prevent a breakdown.

SPC of linear mass per bundle (≈ 3 minutes)

CL: 0.3655 kg/m

SPC monitoring
Available for all indicators



LOG:

- 2 points above the UCL: investigate a possible special cause



With a defined center line and control limits, the chart supports SPC (Statistical Process Control). Behavior patterns guide inspection of the rolling mill. Examples:

- 1 point beyond the control limits (UCL or LCL).
- 6 consecutive points trending upward or downward.
- 8 consecutive points on the same side of the center line.
- 14 consecutive points alternating up and down.

Monthly reporting becomes continuous monitoring

Managers review cumulative results and drill down by product, day, campaign and plant.

Product	Plant A		Plant B	
	Mean (kg/m)	SDI	Mean (kg/m)	SDI
8 mm	0.387	0.27%	0.397	0.00%
10 mm	0.605	0.00%	0.615	0.00%
12.5 mm	0.944	0.00%	0.949	0.00%
20 mm	2.417	0.00%	2.419	0.00%

Mean linear mass = Total mass / Total length

A complete assessment goes beyond the mean:

Specification limit
Product reference

Variation
Process stability

Statistical Downgrade Index (SDI)
Estimated share outside specification limits



Turn process data into decisions and results.

Talk to DeimosCarp and discover SBT.

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