



**CORUS**

# Roll Mill Automation

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## Return on Investment in Automation and Control of Roll Mills.

As can be seen from the graph below, automation in Metal Rolling mills has a very high Return on Investment (ROI).

- Level 1 gives an ROI of 60%, which means that level 1 control projects have on average a payback time of 1.5 year.
- Yield improvement gives reduction of rejects.

- The most pay back is in quality improvement, which can be understood as gauge control and flatness control score on quality performance quickly.
- Energy saving is done more on higher automation levels.
- Labour saving is not a big item anymore.
- Maintenance savings are minor.
- Capacity increase is not popular due to the steel making overcapacity in the world.

## Automation in Rolling Mills Return on Investment

