



CAVITY EYE

INTELLIGENCE IN MOLDING

**0 PPM IS NOT JUST A TARGET
IT'S ACHIEVABLE**



Automated scrap sorting with pressure measurement

**When time is critical:
Avoid complaints from incomplete parts**

THE SWORD OF DAMOCLES: THE CUSTOMER COMPLAINT

Just one defective injection molded part can trigger a complaint.

What does this mean for the manufacturer?

- Manually sorting returned products to find the defective part
- Reproducing the rejected product when something else should be produced
- Preparing an 8D report in addition to daily tasks
- Loss of reputation and trust towards the manufacturer

The later a defect is detected, the higher the costs and losses. The risk escalates exponentially.

We could say there are two types of plants:

- those that already had a customer complaint,
- those that have NOT YET...

**BUT IT DOESN'T HAVE
TO BE THIS WAY**



LOOK INSIDE THE BLACK BOX: INTERVENE IN TIME

In injection molding technology, the mold is like a black box: we don't know exactly what happens inside, yet it determines the output.

The Cavity Eye pressure measurement and monitoring system unveils the unknown: it provides real data about the processes in each cavity, making deviations visible.

This enables real-time, data-driven intervention:

- Automatic scrap sorting
- No more manual sorting
- Achieving 0 ppm becomes reality:
Zero complaints



RETURN OF INVESTMENT: PREVENTION INSTEAD OF REACTION

Automatic scrap sorting based on pressure measurement can generate significant cost savings.

In case of a complaint, manual sorting alone can cost several thousand euros.

But further costs must also be considered:

- Reproduction
- Extra logistics
- Extra engineering hours
- Production downtime

All this can be prevented before it happens!



Monitoring the injection molding process also offers additional savings opportunities:

- Technology optimization
- Reduced cycle time
- Improved cavity balance
- Reduced insert breakage

ROI: Less than 1 year in high-volume production

REAL RESULTS AT OUR CUSTOMERS

Case study

- **Problem:**

A 16-cavity mold producing high-volume electrical connectors had a high scrap rate. Manual sorting was costly, inaccurate, and caused frequent customer complaints.

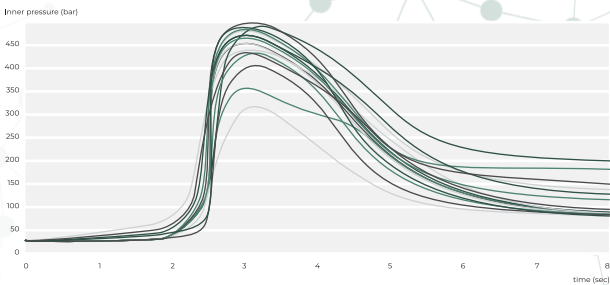
- **Solution:**

Sixteen sensors and the Cavity Eye system were installed, enabling automatic scrap sorting and process optimization to reduce scrap rate.

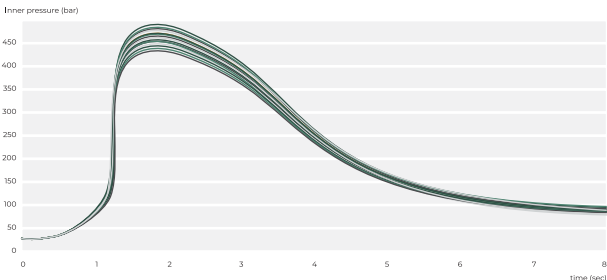
- **Result:**

In addition to savings from avoided manual sorting and complaints, technology optimization delivered significant results.

Technology before optimization



Technology after optimization



The customer saved nearly €20,000 monthly, achieving payback in under one month.

STAY SAFE WITH CAVITY EYE MONITORING SYSTEM

Don't deal with the problems afterwards,
prevent them!



Contact us for a quotation:

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SZECSÉNYI LÁSZLÓ-VÁROS Mindszenti krt.

RENDŐRFALU

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