



static control made **Easy!**



IMPROVE YOUR PROFITABILITY

In command of your complete value chain with intelligent Static Control

Many companies preceded you and installed Intelligent static controls systems to improve their profitability.

Will you join these Industry 4.0 forerunners?



"FULL INDUSTRY 4.0
automation integration"



CHALLENGE YOURSELF

- PERSUE EXCELLENCE -

“Wouldn't it be nice if you had other means to protect and even improve your profit margin?

Benchmark: At Euro 10.000.000

turnover, a 0,5% margin

improvement results in an R.O.I.

< 1 year.”

HOW? Static electricity control!

Strengthen your market position.

Maximize your profit.

The fundamental KPI of your company is the profit created.

Everything comes down to your profit margin:

- Maintaining or improving your market position
- Providing future investment and growing the business
- Ensuring long term stability

Where can improvements be made?

- Quality assurance
- Long term stability
- Dependability
- Predictability
- Traceability and controllability

How?

In your efforts to improve on all these aspects a hidden force works against you. It's possible that your company has not identified this problem and addressed it as a process or a companywide issue.

Usually it is treated as a nuisance instead of an opportunity:

STATIC ELECTRICITY

Every process that involves plastic will have several issues with static electricity. Traditionally these issues are solved on a localised basis, doing just enough to tackle the problem and keep production running.

It is a cliché but true; The chain is only as strong as its weakest link. If any of these local fixes fail, it will impair your finished product! Your Margin!

What are the tools and which approach to use?

The solution is so simple!

Address the entire process and take the correct action.

Be prepared or implement static control systems with Industry 4.0 connectivity.



Example - VALUE CHAIN

+ Added value profit

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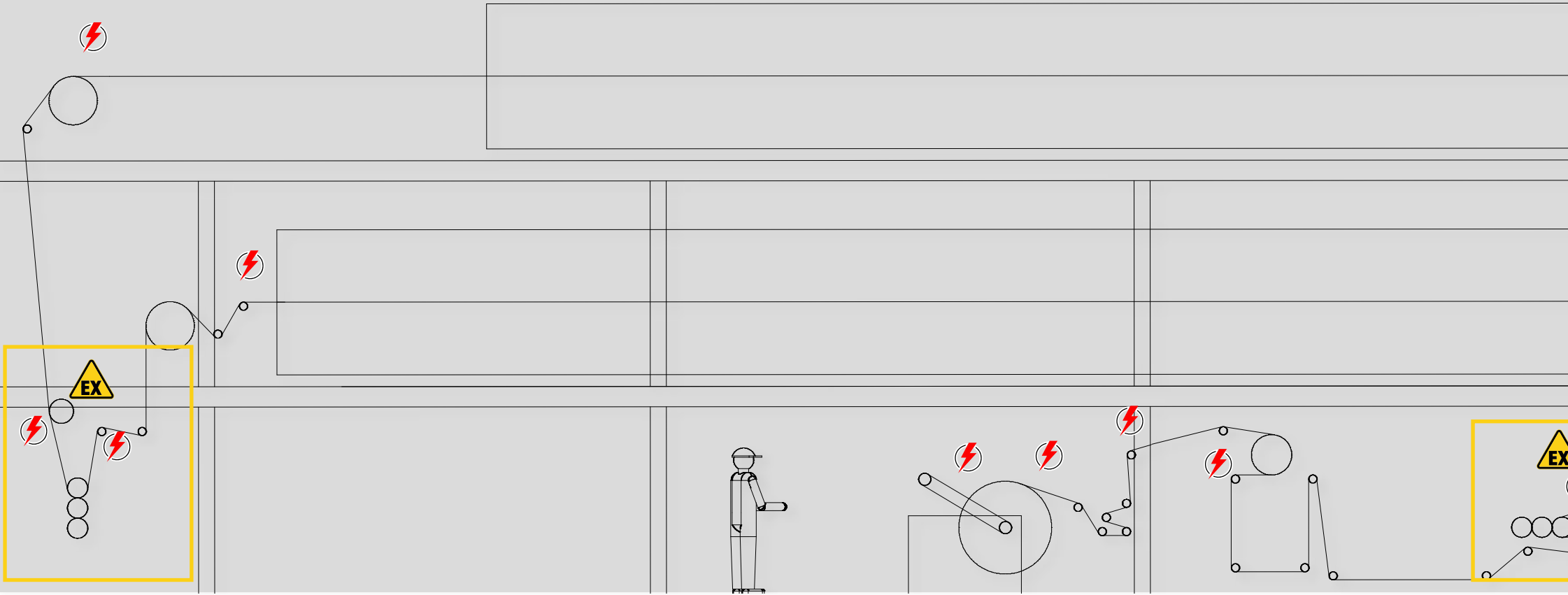
- ✗ Too much neck-in-material loss
- ✗ Invisible marks in film discharges
- ✗ Permanent static charge due to corona treatment



- ✗ Operator get shocks
- ✗ Machine standstill
- ✗ Uneven bad wind
- ✗ Too high static charge in finished roll



- ✗ Contamination attraction
- ✗ Fire hazard
- ✗ Defect in print image



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- ✗ Contamination attraction
- ✗ Fire hazard
- ✗ Uneven coating
- ✗ Defects in coating or base material




- ✗ Stacking problems
- ✗ Operator get shocks




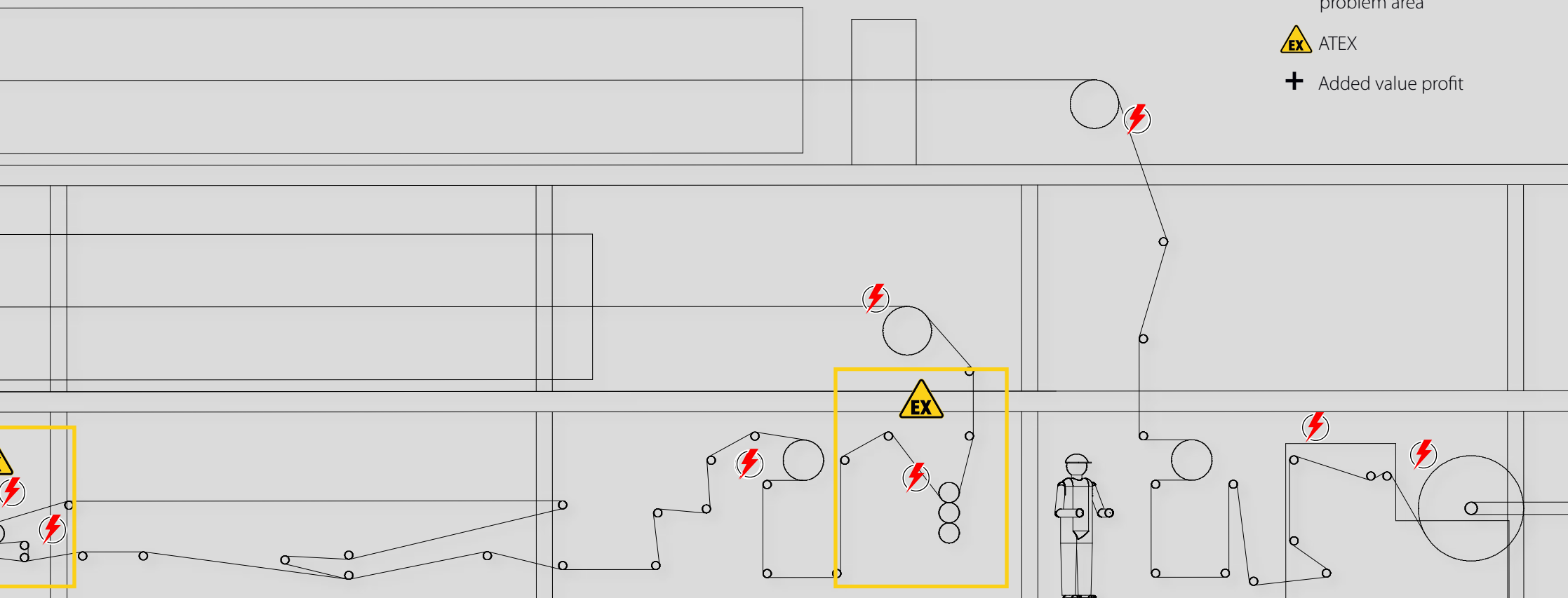
- ✗ customer reject

Legend:

 possible static electricity problem area

 ATEX

 Added value profit





DELIVER THE HIGHEST LEVELS OF QUALITY

- STATIC ELECTRICITY PLAYS A
VITAL ROLE -

"With static electricity control systems in place and working, you do not have to spend additional time and money on quality control and corrective actions.

This means, you have more time and funds for adding value elsewhere."

In your efforts to reach 100% quality, controlling static electricity plays a vital role.

Each step in your process adds value to your end product and incurs additional costs and time. A high static electricity charge may reduce the quality of your product. It can cause a problem in the next step in your process or when it reaches your customer on their production. These problems can take the form of slower machine speeds, unwinding problems, damaged material, dust attraction, just to name a few.

Dependable static control systems, with early warnings and traceability will enable you to control your process. Instead of spending huge amounts of time backtracking to find the cause of a problem, early warnings create the opportunity to change conditions before the problem is even created. If backtracking is necessary all components in the system have a history log of all actions and parameters giving you rapid access to possible inconsistencies, locating the source in a fraction of the time.

The logging data can provide valuable additional information about your process not directly related to static electricity. For example, increased static levels or increased ionization currents may give you an indication that other process conditions have changed. Is there more friction due to defective bearings? Did your supplier change the composition of your base material without notifying you? Critical levels and process parameters are set, monitored and reported.

Deviances are indicated and reported.

MINIMISE THE RISK ...

.. that one small component fails or does not provide optimum performance, jeopardizing your valuable finished product without you even realizing it.

Traceability

Data concerning the static electricity system and process values provides traceability and analysis in the event of irregularities.

This was the first step in our foundation to improve profitability.
Next step: Optimal efficiency; Transform your productivity!



OPTIMAL EFFICIENCY

- SIGNIFICANT IMPROVEMENTS

CAN BE ACHIEVED -

"You can depend on all static
control equipment working in
optimum condition and static
electricity levels actively monitored.

This will keep your operators safe
and prevent obstructions that risk
reducing productivity."



Of course, 100% efficiency is a dream, but significant improvements can be achieved.

Static control equipment that always works reliable and with the optimum performance ensures that your process runs free of stoppages.

“Simco-Ion IQ Easy system components are designed with the highest quality and durability standards. An extended 4-year warranty demonstrates our confidence in a long lasting operation to our customers.”

Minimizing corrective actions and rework will save time and increase efficiency and result in less or no waste material. Fast access to all static control related process parameters also means less waste, and less time lost during changeover.

Active control and efficiency monitoring the static control system provides dependability. It also paves the way for optimum performance of your process. Run at the highest speed possible!

Guaranteed efficiency also means operator and process safety.

You can depend on all static control equipment working in optimum condition and static electricity levels being actively monitored. This keeps your operators safe and prevents situations that risk reducing productivity.

Keeping static electricity at safe levels, particularly in explosion hazardous areas (ATEX) enables your process to run at the highest possible speed with no interruptions or possible dangerous situations.



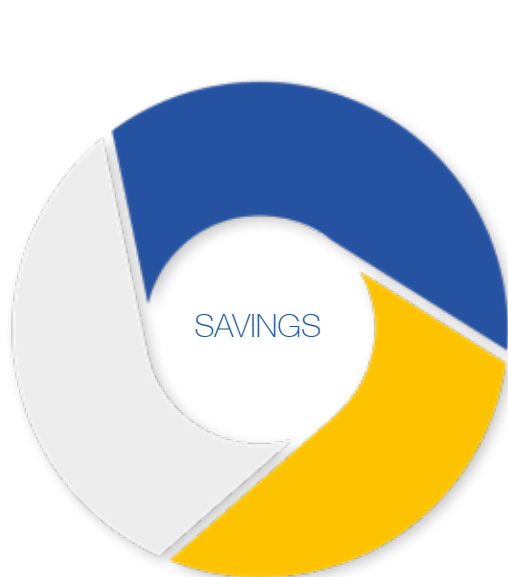


BOOST YOUR PRODUCTIVITY

- ENSURE THE OPTIMUM
UTILIZATION OF YOUR ASSETS -

"You love it when a plan comes
together. A full order book.
A perfectly planned machine
schedule. There is nothing to
prevent you reaching your
turnover and delivery targets."

The full utilization of your productive assets can be realized when your whole process is controlled with a Simco-ION IQ Easy platform to minimize static charge levels.



- + Optimum process speed.
- + No waste due to high static charges.
- + Less waste at new run startup.

- + No corrective actions.
- + No waste due to wrong process parameters.

- + Faster change over time.
- + No time loss due to unplanned maintenance.
- + Faster and immediate notification or disruptions.
- + No backtracking or problems.

You can monitor all static electricity system components and process parameters. Recognize trends and set early warnings for proactive corrective actions or predictive maintenance.

Conduct maintenance of the Static control system in the planned down time instead of the most inconvenient production stoppage.

Accidents happen. Any component can unexpectedly break down or accidents can happen that can damage the Static control equipment such as material breakage affecting a Static elimination bar.

Quick 24V connectors and Easy quick release mounting brackets provide the opportunity to exchange damaged equipment without powering down and with the minimum loss of time.



SEIZE THE OPPORTUNITY

- MAKE A START -

"Simco-Ion can help you asses your
process and value chain and
implement systems and
procedures geared for
insurance and
improvements."



Make a start

- ⊕ Get your team involved.
- ⊕ Create a project team with your Quality manager, Production manager and Maintenance manager.
- ⊕ Take the first step and invite one of our Static control process specialists for a first discussion with your project team.
- ⊕ Find out how Simco-Ion can help evaluate your process and value chain and implement systems and procedures which deliver reliable performance and improvements.

Or:

1. Visit Simco-Ion at any upcoming exhibition
2. Plan attending a Simco-Ion demonstration day
3. Request the Simco on-site demonstration
4. Order our brochure:
"How to improve with Static Control" in
which possible technical and procedural
solutions are presented.



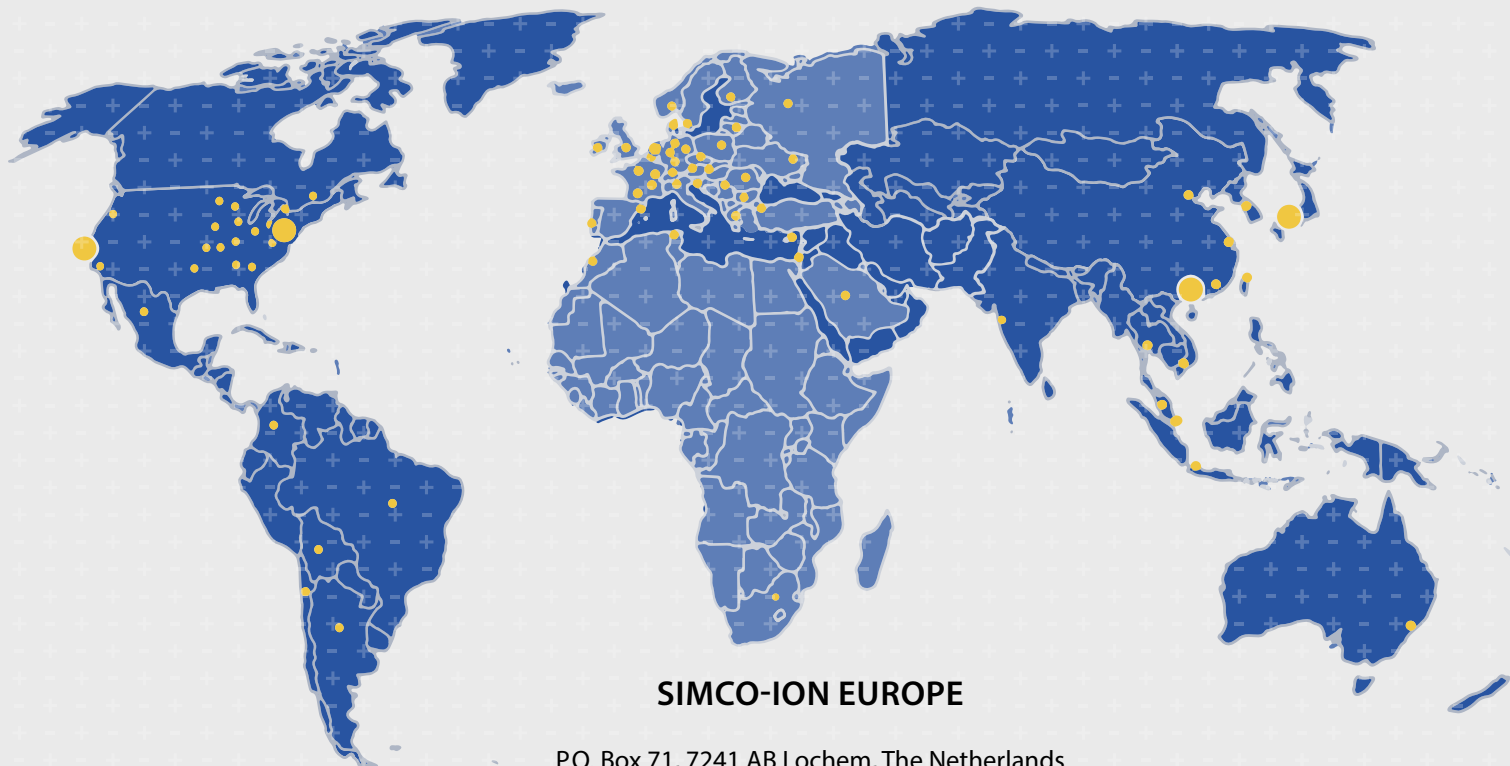
Tailored advice
by skilled local
agents

Quality products,
fast delivery

After sales
assistance

WORLDWIDE SUPPORT

Simco-Ion has three main offices: the Netherlands, USA and Japan. Each main office has his own production facility and own distribution network, therefore Simco-ION guarantees a worldwide support.



SIMCO-ION EUROPE

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