



The IPCO ProRelease System – the latest addition to our family of release agent spraying systems – has been designed to enhance production of wood-based panels and other materials. The efficient application of release agent delivers a high quality end product, increased productivity, reduced consumption and a cleaner working environment.

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# PRO—RELEASE—SYSTEM REVOLUTIONIZE—YOUR —PRESS—OPERATION



# —BRING NEW LEVELS OF QUALITY, PRODUCTIVITY AND SUSTAINABILITY TO YOUR PRESS OPERATION

The IPCO ProRelease System combines innovative design with precision engineering to achieve dramatic improvements in the application of release agents onto press belts. The result is game-changing: a cleaner belt, improved product quality and a significant reduction in the cost of consumables.

Release agents are an essential part of many production processes. As well as ensuring clean and easy discharge of the product, they also play a key role in maximising belt cleanliness, minimizing maintenance downtime and reducing pressing time. The challenge is to apply the agent directly and precisely, through uniform, homogeneous spraying.

#### **Efficient, targeted application of the release agent**

Our patented ProRelease process is based on a unique spray bar design, one that creates turbulence between the nozzles to form an extremely fine mist of release agent that is then applied to the belt.

The spray nozzles are positioned to ensure homogeneous application of the liquid, and compressed air creates the required spray pattern. A second air supply cleans the system to ensure optimum performance at all times. The entire spray bar system is enclosed in a chamber that eliminates waste and prevents spray from entering the workplace.

#### **Get a higher quality finish on your board products**

The #1 benefit of the IPCO ProRelease System is a better quality end product. Efficient application of the release agent not only prevents sticking to allow clean discharge of the finished product but also results in a cleaner belt. The application of moisture also delivers higher board density. These factors combine to create a better, more uniform board surface, reducing the need for post-production sanding/ grinding and saving on sandpaper costs.





## ProRelease benefits at a glance

- Premium quality board - improved density and surface finish
- Reduced need for surface sanding/grinding
- Increased productivity – faster pressing, less maintenance downtime
- Major savings in chemicals/water
- Cleaner working environment
- More sustainable production

Get the best of both worlds:  
unparalleled product finish and up  
to 90% saving in release agent costs

### **Increase your press productivity**

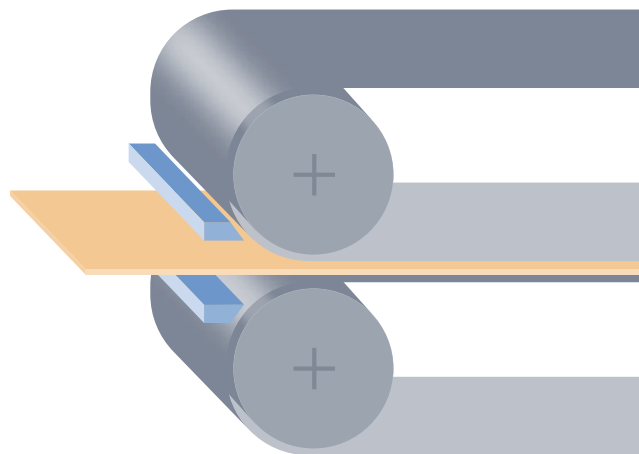
The efficient application of release agent also delivers major benefits in terms of press productivity. Firstly, easier discharge and a cleaner belt mean less press downtime for maintenance. And secondly, the heat of the press evaporates the moisture content of the release agent and the resulting steam activates the adhesive as much as 30% faster, so pressing time can be reduced.

### **Significantly reduce your release agent costs**

Consistent, uniform application means less agent is required and the savings can be dramatic: one major MDF producer reported a reduction in consumption of up to 90% while also improving board quality. Savings are likely to vary depending on your product, manufacturing process and existing application system, but the potential for cost reduction is significant.

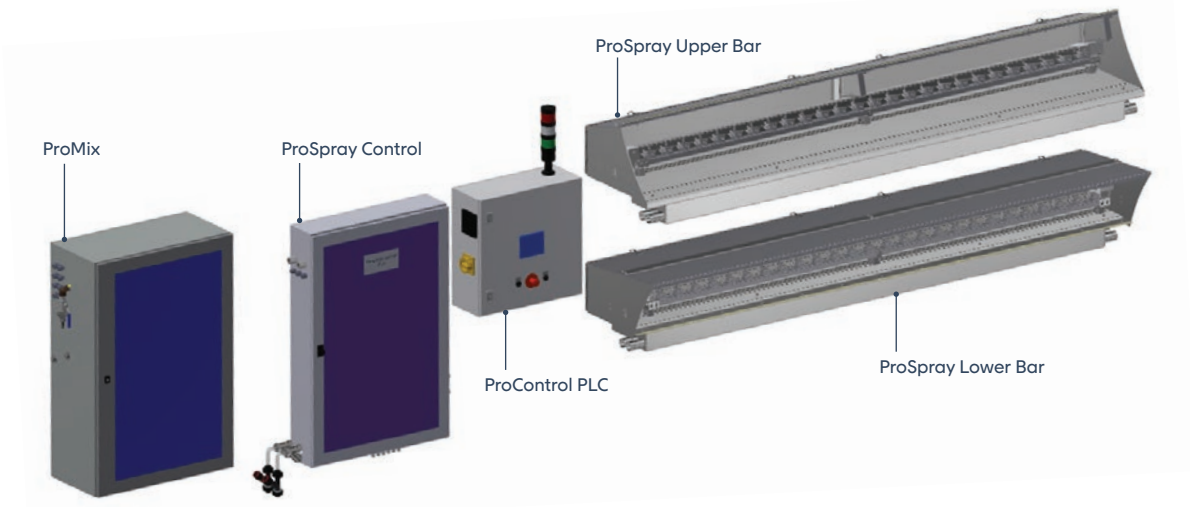
### **Increase the sustainability of your production operation**

Reduced use of chemicals and water is only one of many sustainability benefits. An enclosed system prevents the spray from entering the working environment, supporting better industrial safety and health. Lower consumption means fewer delivery journeys. And reduced grinding means less waste and a cleaner environment.



# Enjoy the reliability of an integrated system solution

The IPCO ProRelease System has been designed for maximum ease of use and reliability, and consists of five main parts:



- Complete package solution from a single source
- System components designed together to work together
- Low maintenance, low operation costs
- Compact design for easy system upgrade
- Easy operation – minimal training required

## ProControl PLC



A PLC unit delivers automatic control of the spraying system and can be integrated into the press control system. Easy to operate, the unit enables constant monitoring and control of release agent consumption.

## ProSpray Upper Bar/Lower Bar



Each spray bar carries three tubes, one for the release agent, one for the spray air and one for cleaning air, all contained in a protective casing.

## ProMix



The mixing system automates mixing of water and release agent to ensure a uniform ratio for precise dosing, optimum performance and most economical use of materials.

## ProSpray Control



This pneumatic control regulates the flow of release agent and compressed air through the nozzles in the spray bar. It also controls the air used to clean the nozzles to ensure optimum performance at all times.

## Premium product, premium productivity

In developing the ProRelease System, we have drawn upon more than 120 years' experience in steel belt technology and the knowledge gained through a history of innovation including the first stainless steel belt, the first endless steel belt, the first 3 mm thick steel belt, and the largest WBP steel belt ever produced.

Our focus continues to be on delivering the products and services that will enable you manufacture premium quality products with maximum productivity.

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