

# Bond-A-Band Improves Production Quality

## Case Study

“With increased production and expansion into new markets, we wanted to improve our monitoring and control of our film and sheet. The MXProLine system not only allows us to look very closely at our process but we are able to achieve significant improvements in quality beyond our expectation.”

- Jonathan Heaton, Bond-A-Band, United Kingdom

### Background

Bond-A-Band is a leading edge company extruding high performance aliphatic polyurethane films and sheet for specialized applications. Their continuous development using flat die cast film extrusion for very high film clarity and the self-healing surface properties of polyurethane allows Bond-A-Band to deliver specialized films and sheets to technical markets.

Bond-A-Band’s products include glazing and lamination films that are durable as well as weather and UV resistant, ideal for screen and paint protection. They are used in aerospace applications such as aircraft windows and also in ballistic, automotive and public transport vehicles and construction glazing industries. It is also used to protect windmill blades and paintwork on high value vehicles.

Sheet products are typically used in engineering applications such as specialist conveyer belts, gaskets and adhesive pads.

### Challenge

Expanding into new and important developing markets, Bond-A-Band focused their investments on improving quality and new production capacity at their Halifax plant in the United Kingdom.

As a leading global supplier of Polyurethane film and sheet, Bond-A-Band came to Honeywell to discuss their needs for measurement and quality control in order to meet the demands of new markets.

### Solution

Bond-A-Band selected Honeywell to partner with them and supply an MXProLine™ Quality Control System which has helped to improve their film and sheet quality by a factor of 3 and increased overall efficiency and yield.

Honeywell’s proven track record in the industry with a number of customers and systems in the local area also provided confidence that support from local engineers who knew the process is available should it be needed.



*Bond-A-Band is a leading-edge company extruding high performance aliphatic polyurethane films and sheet for specialized applications.*



*Bond-A-Band saw improvements in quality with the application of Honeywell's MXProLine Quality Control System.*

Using a single sensor, the MXProLine system measures a wide range of thickness from film to thick sheet. The high speed measurement and performance of the sensor was required for this specialized cast film process in order to provide the process control required to meet and surpass their ever-rising quality targets for all of their products.

The process tools included within MXProLine enables Bond-A-Band to analyze their process information gathered by the system and make necessary changes to the process to further improve sheet quality.

Following the successful installation, Bond-a-Band now plans to engage with Honeywell in a long term partnership.

### **Benefits**

Honeywell's offering goes beyond the Quality Control System, and includes application knowledge. Working together with Bond-A-Band Honeywell offers solutions that allow Bond-A-Band to optimize today's production, while providing flexibility for the future.

In addition to improved quality and raw material savings, the benefits realized by Bond-A-Band also include improved yield and production efficiency in downstream slitting and converting lines.

### **For More Information**

Learn more about how Honeywell's MXProLine Quality Control System can improve product quality, visit [www.honeywellprocess.com](http://www.honeywellprocess.com) or contact your Honeywell Account Manager.

### **Honeywell Process Solutions**

1250 West Sam Houston Parkway South  
Houston, TX 77042

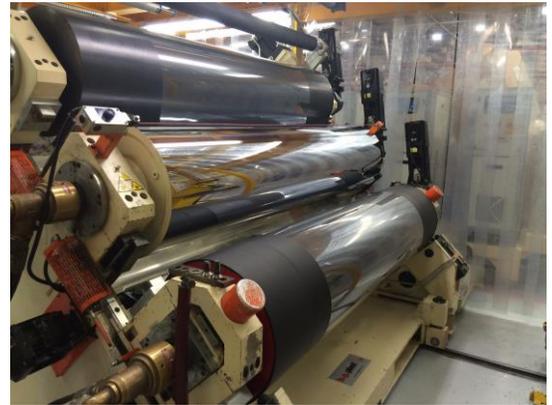
Honeywell House, Arlington Business Park  
Bracknell, Berkshire, England RG12 1EB UK

Shanghai City Centre, 100 Zunyi Road  
Shanghai, China 200051

[www.honeywellprocess.com](http://www.honeywellprocess.com)

SS-16-06-ENG  
May 2016  
© 2016 Honeywell  
International Inc.

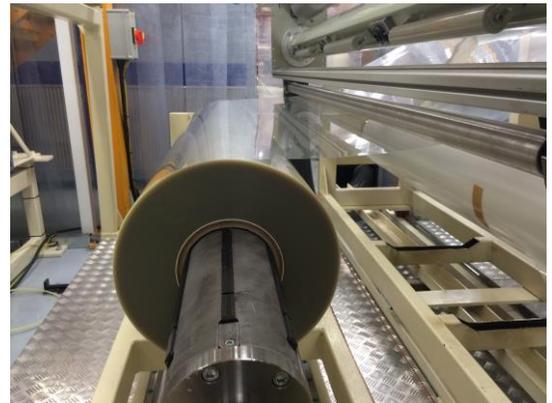
"After many discussions Honeywell was able to advise us on the solutions we need. Our product quality improved by a factor of 3 enabling us to confidently enter the new markets that are opening up to us." says Jonathan Heaton.



### **About Honeywell's MXProLine System**

MXProLine provides Bond-A-Band with:

- MXProLine Quality Control System for Polyurethane film and sheet
- Significantly reduced film/sheet variations, improving product quality for their customers
- Reduced raw material consumption, reduced scrap and improved yields.



**Honeywell**