



**Bostik**  
smart adhesives

**BORN<sup>2</sup>  
BOND™**

# Increase Product Design Opportunities

With Born<sup>2</sup>Bond™ ULTRA HV



## APPLICATION OVERVIEW

As consumers increasingly prefer smaller, more portable, wearable electronic devices, assembling the intricate components can prove challenging. This challenge is further compounded when considering skin contact material requirements and the bonding issues these materials can pose.

Fortunately for a wearable electronic device manufacturer, Bostik's **Born2Bond™ Ultra HV** was able to address their bonding challenges while increasing their design opportunities overall.



### THE PROBLEM

A wearable electronic device manufacturer was using a cured silicone material for a fitness tracking component. While cured silicone was chosen because it addressed skin contact requirements (biocompatibility, sweat and odor resistant), bonding it to polycarbonate was seemingly impossible due to its low surface energy.

The company tried many leading adhesive technologies currently available on the market and invested significant time and resources to solving the problem. However, nothing worked for their manual application processes. It was beginning to look like the company would need to forego the entire project.

### THE SOLUTION

Fortunately, a leading distributor reached out to Bostik for our team's thoughts on adhesive technologies that would be up to the challenge. In addition to bonding cured silicone to polycarbonate, the adhesive needed to work well for very small, precise and fast manual application methods.

After trialing **Born2Bond™** products across multiple departments, the company agreed that our Ultra HV kit (adhesive and primer) provided unmatched adhesion compared to any other technology they had tried. In addition to bonding the initial component together, this kit offered high bond performance for other component assembly applications.

**Through this trial, it was clear that not only did our Ultra HV kit solve their initial bonding problem, but it also opened up the opportunity for other design and bonding possibilities not previously considered.**

This is because the Ultra HV kit is based on a fast-bonding, formulated instant adhesive technology designed specifically for challenging, "by the dot" assembly needs.



## BORN2BOND'S VALUE

Since implementing the **Born2Bond™** Ultra HV kit across their production lines, the manufacturer has been able to:

- ⊕ Increase precise application capabilities due to long nozzle applicator
- 🕒 Enhance overall product aesthetics given “by-the-dot” application
- 🕒 Improve capacity due to rapid, 15-second fixture time
- 🌸 Heighten aesthetics on black substrates via low blooming characteristics

Further, the manufacturer was able to experience the product's value without having to:

- 💰 Invest funds in any equipment
- 🏭 Increase their manufacturing space

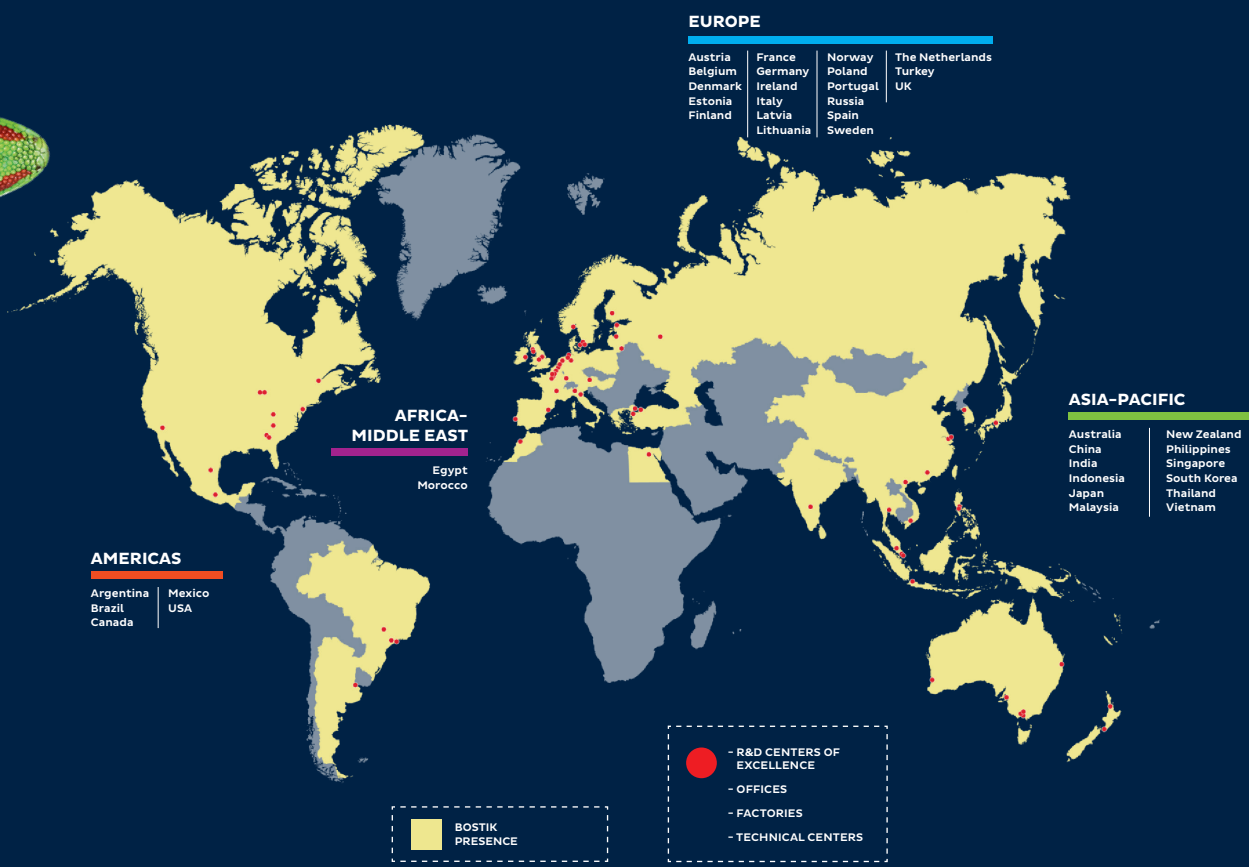
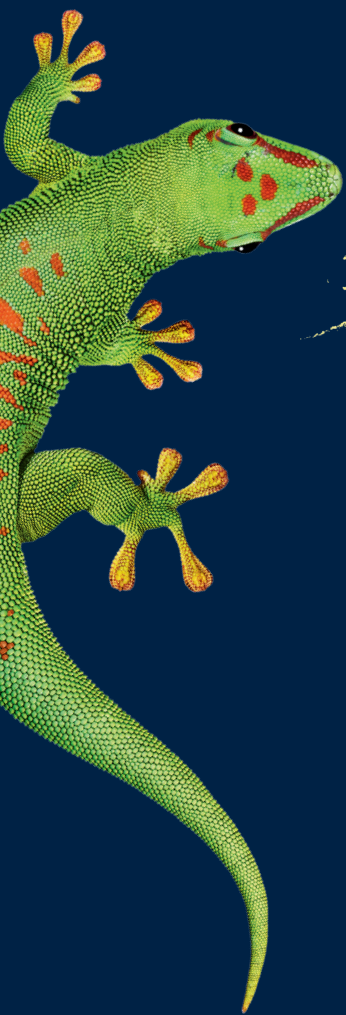
The manufacturer also found that the product worked best with a **Born2Bond™ Primer** and seamlessly integrated into production line processes.

### ULTRA HV KIT

FEATURES	BENEFITS
Low odor	Enhanced worker safety and comfort
Less brittle than conventional instant adhesives	Increased performance capabilities
Multi-substrate adhesion	Improved process flexibility and design opportunities
Fast fixture time	Increased capacity and quick handling
Long open time	Enhanced application flexibility
Low blooming	Improved final aesthetics

**Get started using Born2Bond!**

Visit [born2bond.bostik.com](https://born2bond.bostik.com) for full product line information.



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