

## Where Plastic and Quality Meet



### INTRODUCTION

October 7, 1952 Joseph Woodland and Bernard Silver, in an effort to simplify managing grocery inventory, received the first patent for a “barcode type product”<sup>(1)</sup>. Since then, the versatility of barcode readers has gone beyond keeping track of produce and canned goods. They now assist state troopers in processing traffic violators, healthcare professionals in dispensing patient medications, and event administrators in authenticating entry, to name a few examples. From the airport to the local hardware store, barcode readers have become an invaluable resource.

With different working environments come different device needs. Quality products begin with quality ingredients. Polycarbonate plastic technology has been tested and can stand up to the harsh demands of critical environments. Code has leveraged a proven polycarbonate compound to deliver high-performing products across a variety of industries.

### WHY POLYCARBONATE?

Exceptional barcode readers should be designed to handle the conditions in which they are deployed. This explains why manufacturers seeking maximum quality have turned to the time tested durability and versatility of polycarbonate plastic technology.

Polycarbonate was originally used to cover cockpits of fighter planes and eventually found its way into NASA's toolkit before becoming a common alternative to standard plastic. According to the nation's largest not-for-profit vision benefits and services provider, VSP Vision, “Today, polycarbonate lenses set the standard in eyewear safety”<sup>(2)</sup>. Automobile manufacturers use polycarbonates in the production of airbags, because they have found them to be heat and humidity resistant<sup>(3)</sup>. These

and many more scenarios have helped prove the durability and versatility of polycarbonates.

The quality and malleability of the polycarbonates used by Code allow for an ergonomic and lightweight reader that is protected from dust, debris, and moisture.

### CONCLUSION

Barcode readers have become a standard in nearly all healthcare, retail, government, event, and entertainment environments. Exceptional products require materials that exceed industry standards.

Designed to withstand hours in the sun, thousands of cleanings with harsh detergents and wipes, and survive numerous drops to concrete, Code readers are built to last.

#### Sources

- <sup>(1)</sup> Classifying apparatus and method  
<http://www.google.com/patents/US2612994>
- <sup>(2)</sup> Polycarbonate Lenses: Lightweight Comfort. UV Protection. Impact Resistant.  
<https://www.vsp.com/polycarbonate-lenses.html>
- <sup>(3)</sup> Coated fabric structure for air bag applications  
<https://www.google.com/patents/US5110666>