Moving Money Around the Globe Using a World-class Precision Part for ATMs

A PRECISION PART PLAYS A ROLE IN THE HISTORY OF MONEY

Of all the conveniences of modern life we are apt to take for granted, being able to get cash from ATM machines anywhere at any time is certainly one of them. Most days the majority of us barely remember what it was like before ATMs were invented. Or, what a frustrating time it could be in the early days of the technology when getting cash out wasn't always the easy experience it is today.

If you've ever wondered about the magic of the machine, and just how things went from being not-so-dependable to successfully predictable with ATMs, you might guess that it was engineering ingenuity that quickly changed everything. And in fact, it is a world class precision part developed and manufactured with high reliability by Capsonic in collaboration with its customer, the world's largest ATM manufacturer, that is the hero that has played a key role in the incredible growth of ATMs which have ultimately become ubiquitous worldwide.

GETTING GOOD WITH CASH

In the late 80's to early 90's when ATMs were newer to the marketplace, there was a serious dependability issue with the in-demand machines that were popping up all over the U.S. and also quickly around the globe.

The issue was that the bill picker mechanism used in machines at the time could not be counted on to be in the right spot at the right time every single time because of the way the treads on this critical rotating piece were designed and manufactured. In the course of heavy daily use, the treads would begin to slip and move out of position. This meant there were big issues in

terms of knowing when the treads would start making bad picks. ATMs worldwide were often down for maintenance a frustrating amount of time.

The always innovating engineering and parts production teams at Capsonic knew there had to be a better way, and worked closely with their ATM manufacturing customer to come up with a new design that has become the industry standard. Decades of expertise in design for manufacturability and vast experience with advanced insert molding led the experts at Capsonic to find a new way to lock the metal treads in place via a more robust design that involves shooting plastic around them to keep them in place. In practice, this means that the rotating piece in the picking mechanism in the ATM continuously locks in position within a hundredth of an inch every time, ensuring correct bill picks. This level of position tolerance was simply unachievable under the prior manufacturing method used for this critical part.

MOVING MONEY AROUND THE GLOBE

Today, the world's leading ATM manufacturer rests easy knowing its millions of machines around the globe have the highest reliability in the industry thanks to Capsonic's innovations in market leading parts design and manufacturing. And whether ATM customers are in the United States, Viet Nam, China, India, the Philippines, Germany or elsewhere, and whether they are requesting dollars, euros, rupas, or yuan, Capsonic's commitment to creating a component that can stand up to the rigors of constant use means people can count on having easy access to the cash they need daily.