

Helping our partners
reach their goals.



Innodisk can support a wide variety of small-volume production items for the experimental industry

Many experimental industries and projects lack partners to support them, especially during the preliminary steps of designing computing systems. This may be due to their small-volume production, diverse needs, and/or uncertain specifications. Moreover, the process of development usually lasts for a long time. Finding a long-term cooperating partner is a challenge, yet crucial for those within innovative and experimental fields.

Having its own firmware team and factory has given Innodisk extensive experience and expertise within the industrial storage market. This makes Innodisk a premium partner for those working within innovative and experimental industries. Innodisk is able to support small-volume production of a wide range of different items during their developmental processes.

The situation

One of our customers is a very innovative and experimental Korean company that is in the business of commercializing personal robots. Their motivation and inspiration comes from creativity and universality. The company's desire is to utilize their developed techniques to merge robots and humans consequently making our world a better, happier place. Most of their products cooperate with research institutions or universities.

In early 2013, we joined one of their open platform humanoid projects. It was a miniature-humanoid-robot platform with advanced computational power, sophisticated sensors, high payload capacity, and dynamic motion ability to enable a myriad of exciting research, educational and outreach activities.

Since their project was extremely experimental, they were unsure of the specifications and the quantities of their robot computing systems. This made it increasingly difficult for them to find an SSD storage supplier to provide a suitable solution for them, especially since at the outset they had asked for a wide temperature, high capacity, small form factor SSD. Those are quite unique specifications to find within the SSD market.

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The solution

Innodisk had been cooperating with this Korean robot company for almost two years before they had made an order. In the end, they ordered 100 of the company's Innodisk mSATA mini 3ME 32GBs for their robotic computing systems, which was much different from the original specification requirements. Apart from our reliable and high-quality products, the most valuable aspect of their partnership with Innodisk was the service, including long-term and professional support and cooperation.

Innodisk's purpose-built factory is operated and managed by a proprietary system, and was designed based upon knowledge and experience from making customized production more efficient. Thanks to this specialized facility and our full range of SSD products, we are able to support the small-volume production of a wide range of different items during their developmental stages.

The payoff

From our customer's perspective, "Designing robots is very difficult. Humanoid robots are particularly difficult simply with the sheer number of joints it has to handle. In addition, the constraints of weight, available computing power, energy efficiency, etc., all of these aspects add to the complexity of designing a humanoid." Thanks to our long term support, we were able to give them a hand during their preliminary processes.

Innodisk Products Used

[Innodisk mSATA mini 3ME](#)



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