Accelerating Innovation
With Fast Prototyping

EXECUTIVE SUMMARY

Humanoid and robotic engineers work against tight development timelines. Having a partner who can quickly react to sample development makes innovation faster, testing timelines shorter, and time-to-market significantly quicker. CCTY's engineering team enables teams to accelerate prototyping and keep projects moving forward.

THE CHALLENGE

A humanoid manufacturer developing next-generation motion control systems faced delays due to long lead times and complex component designs. Prototypes from competitors typically required more than a month to arrive, which slowed their ability to collect data, validate designs, and design improvements.

THE SOLUTION

CCTY leveraged its global manufacturing capabilities to provide custom bearings with a four-week lead time — noticeably cutting delivery schedules compared to the previous manufacturer. The optimized production approach retained design complexity while accelerating delivery.

THE RESULTS

With parts arriving weeks earlier, the customer gained valuable time for testing, refinement, and innovation. The faster turnaround enabled quicker data collection and improved product development timelines, giving them a competitive edge in bringing new technology to market.

> "
> CCTY's highly responsive engineering and production capabilities helps robotic engineers quickly obtain samples for test validation and design enhancements.
>
> – **Nik Jerinic**
> *Robotics Sales Manager*

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