

# 森精機製作所殿発行「MORI SEIKI USERS (海外向け)」に 弊社紹介記事が掲載されました。

CAM brain Co., Ltd.  
(Edogawa Ward, Tokyo)

Pursuing high added-value through  
multi-axis machines.

With a consistent system for everything from design using high-end 3D CAD systems to manufacturing, a large number of machines with multi-axis specifications, and the technical expertise to ensure high quality for all materials and machined products. CAM brain Co., Ltd. has been attracting a lot of attention within the industry because of its many strengths in parts machining. Many customers send machining requests directly while looking at their website, and new orders have increased 35% since last year.



● Mr. Ota, President (middle), and operating staff

One feature of their equipment is their goal of introducing multi-axis machines—of their 24 machining centers, 12 have simultaneous 5-axis specifications, including added axes, and 9 have simultaneous 4-axis specifications. What's more, in October 2006 they were the first company in Japan to purchase the NMV5000 DCG high-precision, 5-axis control vertical machining center. Mori Seiki used their sample workpieces for machining demonstrations on the NMV5000 DCG at our booth during JIMTOF2006. They also have about 40

other machines, including die sinking electric discharge machines, etc., and 15 operators. For their equipment, they pay close attention not only to speed and precision, but also to operating rate and reliability. For this reason, they use Mori Seiki DCG\* (Driven at the Center of Gravity) machines, the NV4000 DCG (with APC specifications) and 3 NH4000 DCGs.



● The CAM room, with all the latest equipment

CAM brain's president, Mr. Ota, who has been pursuing high added-value manufacturing for a long time, shared his thoughts about Driven at the Center of Gravity: "I have been involved in machining for twenty years, and I've seen machine tools from many different manufacturers. The NV4000 DCG is extremely quiet and has little vibration. It allows us stable cutting and a good, smooth machined surface. And because of the arch-type column, the bed is light, so it is very responsive. Compared with other companies' machines, we've managed almost 30% faster machining times. It's cutting



● Fully operational NH4000 DCG.

ability also leaves nothing to be desired. We make a lot of aircraft parts, using materials like titanium, but if we use DCG\* and flange contact, we can do it with a No. 40 taper." As for the NH4000 DCG, "We ran it for 8,000 hours in 14 months, but its response was excellent. We can do stable cutting at 20,000 min<sup>-1</sup>. When we



● The SuperMILLER 400 5-axis machine.

ran the same product on another company's machine with the same cutting conditions, the NH was almost 13% faster." Because of its outstanding cutting ability, more and more operators in their plant are queuing up to use the DCG\* machines, saying "I want to cut it on that." CAM brain is seeking to "manufacture excellent products quickly" without specializing too much in one product, for everything from aircraft parts to semi-conductors and precision parts. They show the same uncompromising attitude towards their equipment as they do towards their parts machining, and what they chose was Driven at the Center of Gravity. We hope that Mori Seiki's DCG\* Series will continue to contribute to increased competitiveness at many customers' production sites.

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