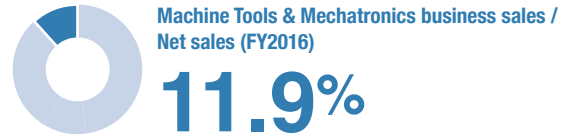


Machine Tools & Mechatronics business



JTEKT offers Machine Tools & Mechatronics products.

For grinders, the TOYODA brand is our flagship product lineup and in the area of camshaft and crankshaft grinders for engines, we support our customers with world top-class capability.

In terms of machining centers, JTEKT's strengths are high rigidity, high reliability and the ability to machine hard material, therefore our machining center products are used in a wide range of applications, such as automotive, construction machinery, agricultural machinery and truck productions. JTEKT's control systems are adopted in many body welding lines of automotive manufacturers and have earned a trustworthy reputation for achieving the safe function of machinery and equipment.



Camshaft grinder GC20Mi



FA1050S



TOYOPUC-PC10G



TOYOPUC-AAA

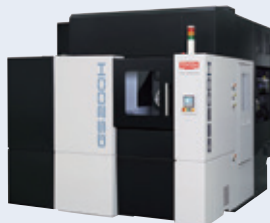
TOPICS

Small-sized gear skiving center, GS200H

Commenced sale of a small-sized gear skiving center optimal for gear mass production machining

In May 2017, JTEKT commenced sale of the GS200H, which inherits the most significant feature of JTEKT-made gear skiving centers - a process integration function. The GS200H is a compact machine integrating the technology and know-how accumulated on large gear skiving centers and is optimal for mass production machining.

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JTEKT's super large horizontal machining center, FH1600SW5i, received this award in recognition of leading the world market by being based on a technology originating in Japan. The FH1600SW5i boasts the ability to machine the largest workpiece in its class and is optimal for the machining of large mass production parts such as agricultural and construction machinery, energy/generator and aircraft parts.



CNC cylindrical grinder

Commenced local production and sale in India

JTEKT licensed technology to Micromatic Grinding Technologies Ltd., India's largest grinder manufacturer, and began the consignment-based production of grinders in January 2017. The local production of high-accuracy cylindrical grinders essential in the machining of 2-wheel vehicle components will support the vigorous Indian market for 2-wheel vehicles.

Super large horizontal machining center, FH1600SW5i

Winner of the 59th Machine Design Award (Nippon Brand Prize), sponsored by the Nikkan Kogyo Shimbun

- * TOYOPUC is a registered trademark of JTEKT Corporation.
- * Gear skiving center is a registered trademark of JTEKT Corporation.

A look back on FY2016

1 Net sales 5.1% lower compared to last FY at 156.3 billion yen

Due to a decline in sales in Japan, China and the U.S., net sales were 5.1 percent lower compared to last FY at 156.3 billion yen.

2 Improvement in grinder competitiveness

JTEKT released the GE3i series on the market as small-sized general purpose cylindrical grinders capable of advanced machining not dependent on the intuition, knack and experience of highly-skilled technicians. We enhanced our product lineup with the following three models:



GE3i-PRO

1. **GE3i** Stable grinding accuracy
2. **GE3i-PRO** Professional specifications leveraging master craftsmanship
3. **GE3i-HYPER** High power specifications realizing high-efficiency grinding

3 Strengthening of loE solutions

In an effort to lead the IoT era, JTEKT has defined its loE introduction steps and offers the four solutions of “connect,” “visualization (MIERU-KA),” “value,” and “chain.” Positioning our ideal factory as “a smart factory where people have the lead role, people and equipment cooperate and human knowledge is utilized”, we will promote loE incorporating the concepts of Toyota Production System in the three areas of quality, maintenance and production in order to resolve worksite issues faster and contribute to next-generation manufacturing by our customers.

Future prospect

1 Initiatives at hand

So that we may fulfill our customers’ needs in a timely fashion, we will further strengthen our systems to provide support suited to the equipment lifecycle, from equipment installation to operation, maintenance and overhaul. This will enable us to contribute to the evolution of our customers’ manufacturing.

As part of efforts to strengthen sales ability, we have strengthened front-loading activities and established a “value business” business model to improve profitability. To strengthen our product appeal we are promoting product development with specs suitable to the market and will release these products in a timely fashion.

As for the shift to smart factories, we are currently pushing ahead with verification trials in our own plants and customers’ model plants. Moving forward, we will leverage this knowledge and build JTEKT smart factories.

2 Actions for the future

JTEKT is responding to changes in the car-orientated society with regards to environmental conservation. We are engaged in the research and development of equipment able to support new materials, new machining techniques (from removal machining to additional machining) and combined machining propelled by technological advancements.

Moreover, as a true integrated production line builder trusted by customers, the JTEKT group will crystallize its unique technologies, increase its overall strength and reinforce its customer service engineering ability and system engineering ability. We will establish a system that supports customers comprehensively, from a single machine to an entire factory.