

Mazak supplies six machines to Renault Sport Formula One™ Team

For the 2017 season, Yamazaki Mazak has supplied six state-of-the-art machines tools to Renault Sport Formula One Team.



The machine tools are located at Renault Sport Formula One Team's base in Enstone, Oxfordshire, and include a number of models from Mazak's Multi-Tasking and turning machine ranges.

Specifically, the team has taken delivery of two INTEGREX i-300 models, which feature a 30kW, 4,000 rpm main spindle. The i-300 combines versatility with reliable performance in a compact footprint, capable of processing workpieces up to 1,519mm in length and 658mm in diameter.

Alongside the two i-300 Multi-Tasking machines are two INTEGREX i-100. Benefitting from a compact ergonomic design, the INTEGREX i-100 is capable of machining both round and prismatic workpieces from raw material with just one set up, one machine and one operator. Combined with Mazak's latest CNC, SmoothX, and both an 11kW 6,000 rpm main spindle and 12,000 rpm milling spindle, the INTEGREX i-100 is one of the most accurate machine tools in its class.

Completing the line-up are two QUICK TURN NEXUS 250-II MY high-performance turning centres. Featuring a 4,000 rpm main spindle with 10" chuck, the machine offers a compact and cost-effective solution for turning and milling, with Y-axis capability.

Renault Sport Formula One Team is using its new Mazak machine tools to manufacture a variety of components for its 2017 cars. Example parts include the front axle housing and master cylinder body for the car's brake system, which are both made from aluminium on an INTEGREGX i-300; stainless steel thermocouple brackets, manufactured using an INTEGREGX i-100; and aluminium centric rings for the cars' wheels, which are manufactured in one process on a QUICK TURN NEXUS 250-II MY.