

News Release

FOR IMMEDIATE RELEASE

Silver Medal at the 45th WorldSkills Competition

Tokyo, Japan, September 13 2019, Hitachi High-Technologies Corporation (TSE:8036, Hitachi High-Tech) announced that two competitors from Hitachi High-Tech represented Japan at the 45th WorldSkills Competition, held from August 22nd to 27th, 2019, in Kazan, Russia, and won a silver medal in CNC*¹ Milling and a Medallion for Excellence in Mechanical Engineering CAD*².

This marks the first time we have earned a medal since the 40th WorldSkills Competition ten years ago (2009).

【The 45th WorldSkills Competition Results】

■ CNC Milling

Name: Yuto Kikuchi, Age 21

Result: Silver medal

Comment: This is the culmination of four years of hard work which I poured into preparing for this competition, and I have no regrets about how I competed. I was able to win this silver medal thanks to the support of a great number of people, and I'm going to bring it back to Japan with pride.

■ Mechanical Engineering CAD

Name: Tatsuya Numahata, Age 20

Result: Medallion for Excellence

Comment: I'm glad to have won a Medallion for Excellence in this international competition, which I'll only be able to compete in once in my lifetime. This is the first time in 12 years that a representative of our company has competed in Mechanical Engineering CAD. It was tough, and there were a lot of things I didn't understand, but I can return to Japan with confidence in myself having won a Medallion for Excellence.

Our company has been sending representatives to the National Skills Competition since 1968 with the aim of passing on technical knowledge and cultivating young engineers, and we also have continued to accumulate awards from the WorldSkills Competition. The group's high-tech products are supported by our continuous development of cutting-edge technology and the highest standard of technical skills that make those products a reality. We believe competing in the competition leads us back to our manufacturing roots. We aim for world-class manufacturing by cultivating young engineers and passing on our technical skills.

*1 CNC (Computerized Numerical Control): Using a computer to control manufacturing machinery's movement and speed

*2 CAD (Computer-Aided Design): Systems for designing and drafting using a computer

【WorldSkills Competition】

The WorldSkills Competition was first held in Spain in 1950 with the goal of promoting work training and fostering international exchange and friendly relations between young technicians from the participating countries. The competition is currently held once every two years (in odd-numbered years). Participants must be 22 or under in the year of competition, and winners from the previous year's National Skills Competition can enter, excluding some events.

【Competition Overview】

■CNC Milling

CNC milling is where a computer is used to control the horizontal and vertical movement of an object being machined and the position of a fixed-position rotating cutting tool, etc. CNC milling machines are machine tools used in mass production and for the manufacture of parts with complex shapes. In the competition, competitors demonstrate their understanding of diagrams and a knowledge of the characteristics of machinery and materials, program a machine based on the machining methods and procedures, and show the technical skills involved in machining a piece.

■Mechanical Engineering CAD

This skill involves using 3D CAD technology to create a model of a part based on industrial machinery assembly plans and actual parts, as well as creating 2D plans which include information necessary for the manufacturing process, such as machining methods and accurate dimensions. Competitors compete on their ability to correctly interpret plans to understand the part's shape, the ability to correctly measure physical items, skill in operating CAD, and a knowledge of plan standards, as well as the ability to express the plans in a way that viewers can easily understand.



Silver-medal winner Yuto Kikuchi



During the competition (Left: Yuto Kikuchi, Right: Tatsuya Numahata)

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