Monthly Seminar Mold Industry Association

Precision Machining Technology explained

Seminar aims to train engineers in new technologies introduced

Indonesia Mold and Dies Industry Association (IMDIA) were held a seminar on April 27th at Matsushita Gobel Institute monthly seminars (YPMG) was held. This year, "Improving precision mold manufacturing technology" has been the theme of the seminar. 93 employees of the member company participated. IMDIA invited Ishiyama Akira to The First Section from C&G systems Inc. (the head office at Tokyo) Overseas Sales Div. and it invited Narusawa Yasuhiro to The Second Section from NT Tool Inc. (head office at Aichi).

It entitled The First Section to be modern technology “CAM program” to support precision processing by and it was done and Ishiyama explained the use of the program which does a cutting by numeric-control (NC).He explains that the NC dater operation method has a polygon method and a surface method. Polygon method can reduce computation time, because of that the machine tools that are suitable for general roughing. It is possible to process, being high-precision and the surface method is suitable for the precision processing. Ishiyama introduces the NC program "CAM-TOOL" of the company which is used, answering a processing shape in two operation methods. the participants was surprised to the case which processed 20 pins with 0.4 millimeter diameter, 3-centimeter height from the block with 4 states of 4 centimeters.

As for The Second Section, Narusawa lectures on "the latest utilization technology of the tool holder". The role of the tool holder is unites / connect the machine with a tool for processing. In the process of making mold / die is precision, need to install the tool into the main spindle with high precision machinery, indicated that there is a possibility operator pulled bolt exceeds too tight. In addition, the commentary will be down due to lack of precision cleaning degradation. When this mold is heading a high-speed improvisations and high precision, Mr. Narusawa introduced to the structure that holds the tool uses hydraulic pressure "Hydro Power Chuck" Tool Holder. It is said; when the operator does the installation can ensure a stable pressure. Mr. Narusawa convey the conclusion that the holder is a small unit, a bad unit can not guarantee the quality of workmanship and are not competitive, then expected to maintain the quality even if only among a number of developing countries like China, India, Thailand, Vietnam and so on, and need to review the tool holder without underestimate.

IMDIA plans a seminar in the next time on July 1st.