

Editors Script

This issue reports KAYABA's initiatives for digitization and the use of AI for manufacturing (or Monozukuri) that converts two-dimensional data, which has been rapidly evolved, developed, and improved, into three-dimensional products contributing to society. As the size of product development data has likely grown larger in recent years, it has become difficult to determine the physical aspect of such data (i.e., parameter correlation). It is now possible to determine such parameter correlation more quickly and more exactly by the use of AI. As a craftsman of the Showa era, I am proud of my juniors who have a good command of AI using both their hands and mind simultaneously. (YAMAGATA)

I sometimes remember the words of one of my senior colleagues: "Engineers should be simple and stupidly honest". This phrase might have a bad meaning like having no wisdom or no ability to behave as circumstances demand. However, with these words, I think he wanted to encourage engineers to "keep a simple and even stupidly honest attitude to tackle everything with relentless drive to accomplish their mission until the technology is transformed into product". As surging prices and supply shortages of fuels and materials have become even more fierce due to various factors including the outbreak of the COVID-19 pandemic, conflicts, and variations in the exchange rate, measures against these challenges need to be taken. However, I also believe that engineers should keep their attitude to promote technical development initiatives in an even stupidly honest way with an eye toward the future. (UMEDA)

As an editor, I read some issues of KAYABA Technical Review back again. Although I thought I knew the product families of the company, I noticed anew how wide the fields covered by the product lineup are. Particularly I found individual businesses primarily leveraging their own expertise for product development. With my experience in concentrating on the specialty of my own business unit, I have not been interested so much in other businesses. Nevertheless, when focusing on the essence of some technologies, I noticed that they could be eventually applied to other products as well. I want to be engaged in publishing this issue with an expectation that the information contained herein will give readers helpful hints or ideas about their job. (OKUMURA)

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