

NIIGATA'S TECHNICAL SOLUTION FOR THE MACHINING OF "DIFFICULT MATERIAL TO CUT" GLOBAL ALL-ENCOMASSING PRODUCTIVITY

EFFICIENT MACHINING OF "DIFFICULT MATERIAL TO CUT":

Global industrial demand to machine hard metals has been drastically increased based upon historical material innovation for the production industries. Niigata has classified the materials as "Difficult material to cut" such as Titanium, Inconel and Hastelloy, etc.

Niigata's constant research and development achieved the solution for high efficient and profitable parts machining for these hard materials.

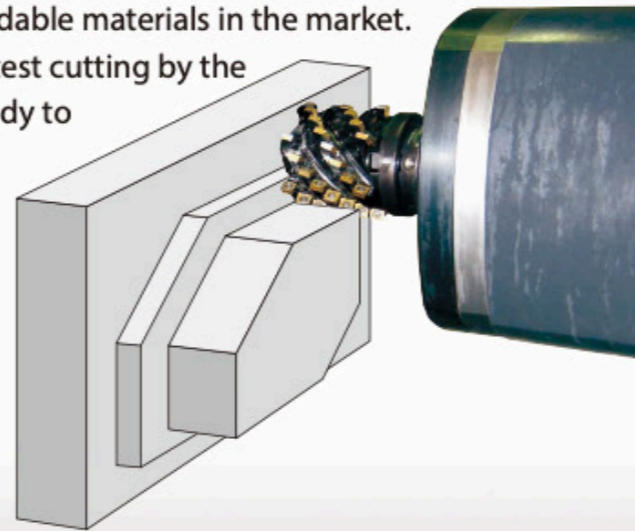
As a world leader of the horizontal machining center, NIIGATA is proud to declare that the new Ti PRO Package will satisfy requirements of your production needs with "Difficult material to cut".



TITANIUM MACHINING:

One of the remarkable hard material on high demand is Titanium generally called 64Ti, 5553Ti., etc. Niigata has been focusing on Ti material as one of most demandable materials in the market.

Extensive knowledge through test cutting by the Niigata engineering team is ready to support your production challenge.



THE MACHINE DESIGN CRITERIA:

Niigata's tradition, true Heavy Duty BOX WAY style Horizontal Machining Center model HN-series are highly regarded worldwide as the most capable hard metal cutting HMC in the industry. The fundamentals of machine design have been proved already for hard metal machining. Key development criteria for Ti PRO Package was to enhance and up-grade key machine components to achieve the following machine capabilities.

- ✓ Low frequency machining
- ✓ Superior rigidity and stiffness of the machine
- ✓ Greater axes thrust
- ✓ High torque geared spindle interface with tool
- ✓ Longevity of tool life

