

Press Release

July 12th, 2022

“Process Design Advisor” to learn 5-axis process design for 100 workpiece types!

DMG MORI CO., LTD. (hereafter referred to as “DMG MORI”) has newly released the “Process Design Advisor” to assist customers with studying the process design of indexed 5-axis machining. (*Japanese only)

Recently, the increasing complexity of workpieces and the shift towards high-mix low-volume production has motivated customers to utilize 5-axis & mill-turn machines for higher productivity and process integration. However, many customers are still unsure of the best way to learn process design with 5-axis machines and wish to understand the full potential of 5-axis technology to find the optimal specification for their needs. The development of clamping methods and machining processes for complex workpieces remains a big challenge.

To facilitate the entry into indexed 5-axis machining, DMG MORI cooperated with Iriso Precision Co., Ltd. (Saitame Prefecture, Iruma City) and utilized their know-how of ultra-precise machining to jointly develop the “Process Design Advisor”. In 5-minute videos per workpiece, the advisor explains clamping methods and machining processes of indexed 5-axis machining in an easy-to-understand manner, also suitable for inexperienced users. Apart from gaining ideas for possible machining processes, the advisor can also be utilized for the general training of engineers or as an insight into the possibilities of 5-axis technology prior to the investment.

The “Process Design Advisor” for indexed 5-axis machining will launch on July 12th with videos for 60 workpieces as part of the “Skill Up Service” on DMG MORI’s customer portal “my DMG MORI”. Thereafter, 10 additional videos will be released every month for a total of 100 videos by the end of December 2022. DMG MORI will continue to expand the contents in the future to include simultaneous 5-axis machining, mill-turn machines, and Technology Cycles to further support customers in improving their productivity.

DMG MORI offers users of “my DMG MORI” a free trial for 10 of the 60 videos to be released on July 12th. Please have a look!

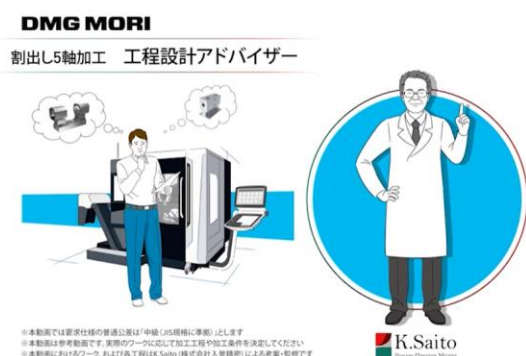
- Process Design Advisor https://www.technium.net/process_advisor/
- Process Design Advisor (Trial) https://www.technium.net/demo/process_advisor/5axisindexing/

For 100,000 yen per year (excluding tax), customers gain access to all contents of the “Process Design Advisor”, also to include 5-axis simultaneous machining, mill-turn machining, and Technology Cycles in the future. Furthermore, a special campaign until the end of December 2022 adds the e-learning course “5-Axis Machine Tools Basic” to the package for the study of practical 5-axis machine operation and interactive programming.

DMG MORI is providing numerous services for 5-axis machining, operation, process design and maintenance to support all needs and improve customers’ productivity, with specific activities such as the “5-axis Machining Association”^{*1} for professional human resources development, the e-learning course “5-axis Machine Tools Basic”^{*2} on “my DMG MORI”, a machining & maintenance school^{*2}, private lessons to experience 5-axis machine operation, and others.

*1 A membership or annual fee is required to join the “5-axis Machining Association”.

*2 A course fee is charged for attending the e-learning courses or machining & maintenance school.



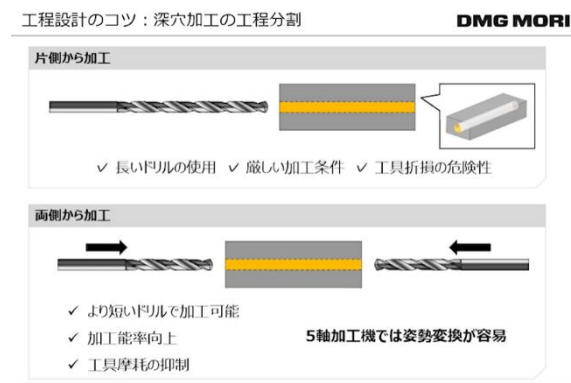
Introduction screen



Clamping methods



Process Design



Machining know-how

A glimpse at the “Process Design Advisor”