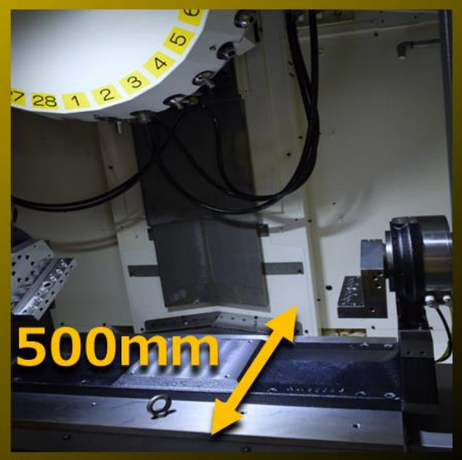
ROBODRILL demonstration contents

Y-axis stroke expansion

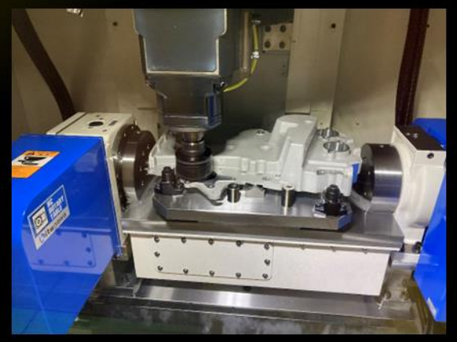


- Additional 1-axis rotary table unit DDR-TLiB raised version makes the most of the Y-axis stroke of 500 mm
- High-speed, high-precision process-integration with the tool storage capacity of 28 tools

[Content]
Process Integrated Machining of Large part

ROBODRILL
α-D28LiB5ADV Plus Y500

5-axis indexing of Large parts



- Additional 2-axes rotary table that makes the most of the machining area of X500 Robodrill (manufactured by Kitagawa Corporation)
- Process-integration with the tool storage capacity of 28 tools

[Content]
5-axes Indexing Machining of Large part

ROBODRILL
α-D28MiB5ADV Plus

High-precision and high-efficiency machining demonstration

- Highly efficient semi-dry machining using MQL equipment
- Splash guard of vertical chip discharge
- Smart spindle load control (SSLC) and cutting load monitoring function (CLM) to enhance productivity

[Content]
High Efficiency Machining of Steel Part

ROBODRILL
α-D21MiB5ADV Plus

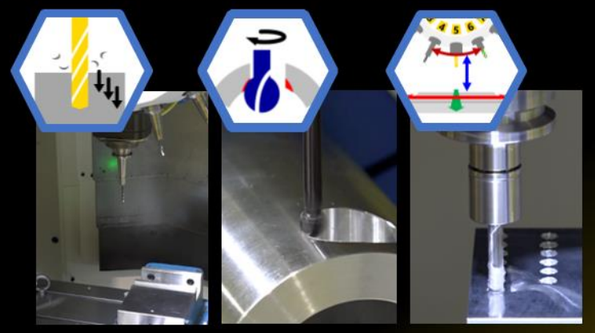
Compound Machining by Turning Function

- Additional 1-axis rotary table capable of turning, DDR-HSiB
- Constant surface speed control by turning function (software option)
- Turning tools clamping system (manufactured by Nikken Kosakusho Works)
- Automatic workpiece exchange system with ROBODRILL robot package

[Content]
Compound Machining by Turning Function
Automatized Load and Unload of Workpiece by FANUC Robot

ROBODRILL
α-D21MiB5ADV Plus ✚ **ROBODRILL Robot Package**

Machining enhancement by ROBODRILLL G codes



- ROBODRILL G codes are developed to shorten cycle times, to enhance machining performance, and to improve ease of use with simple commands

[Content] ROBODRILL G codes

ROBODRILL
α-D21MiB5ADV Plus

In addition to these demonstrations, new functions will be announced at our booth.
We are looking forward to your visit !!