DD Motor achieving Large Torque and Smooth Rotation

FANUC
DD MOTOR DiS-B series
Features

- Large torque by strong neodymium magnets
- Low torque ripple by optimum magnetic circuit design
- Standard models applicable to both 200V and 400V input
- High speed, high precision, and maintenance free by direct drive
- Suited to rotary tables of a machine tools and rotary axes of 5-axis machines
- Water cooling available as well as current oil cooling

System configuration

FANUC’s product

![Diagram showing system configuration]

- CNC
- SERVO AMPLIFIER DiS-B series
- DD MOTOR DiS-B series
- Power Line
- FSSB
- DD MOTOR POSITION DETECTION CIRCUIT *1
- Third party’s Rotary Encoder *2
- CZ SENSOR *3
- *1 Not necessary for absolute encoder
- *2 Necessary to conform to FANUC Serial Interface
- *3 Absolute encoder

FANUC ABSOLUTE CZ SENSOR

- High reliability by simple and strong structure
- High accuracy sensor gear manufactured by gear grinder with FANUC original learning control
- Compact structure contributing to compact rotary axis
SERVO HRV+ Control which is the latest digital servo technology realizes high speed and high precision machining.
In case of driving one axis by plural motors, sometimes stability is not secured because of interference between motors. Stabilizing functions to prevent interference between axes, are prepared in order to secure stability.

Servo Learning Control
Combination of DD Motor and Learning Control, which achieves high precision, is best suited to cam grinding or gear cutting machine.
- Maximum 262 seconds learning time and maximum 24 learning profiles are available. (Suited to cam grinding machine)
- Combination of Learning Control and EGB (Electronic Gear Box) minimizes synchronization error. (Suited to gear cutting machine)
Maintenance and Customer Support

Worldwide Customer Service and Support

FANUC operates customer service and support network worldwide through subsidiaries and affiliates. FANUC provides the highest quality service with the prompt response at any location nearest you.

FANUC Global Service Network
World Wide Support Over 260 Offices

FANUC ACADEMY

FANUC ACADEMY operates versatile training courses to develop skilled engineers effectively in several days.

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