

Built-in Spindle Motor achieving high performance machine tool spindle

FANUC BUILT-IN SPINDLE MOTOR
Bi series



Built-in Spindle Motor achieving high performance machine tool spindle **FANUC BUILT-IN SPINDLE MOTOR Bi series**

FANUC BUILT-IN SPINDLE MOTOR BiI series

Features

- **BiI** series offers high power up to high speed range by the speed range switching control, and is suitable for every kind of machine tool spindle.
- Large torque at low speed and high power at high speed achieved by speed range control
- Offering best suitable model for every kind of machine tool spindle from among wide line-up
- High response, high precision, high efficiency and lower motor loss achieved by Spindle HRV Control
- Larger torque and higher power achieved by efficient heat radiation of stator resin mold (Option)
- Stator with or without cooling jacket selectable for stator resin mold
- Even larger torque and higher power achieved by copper-bar rotor (Some models)



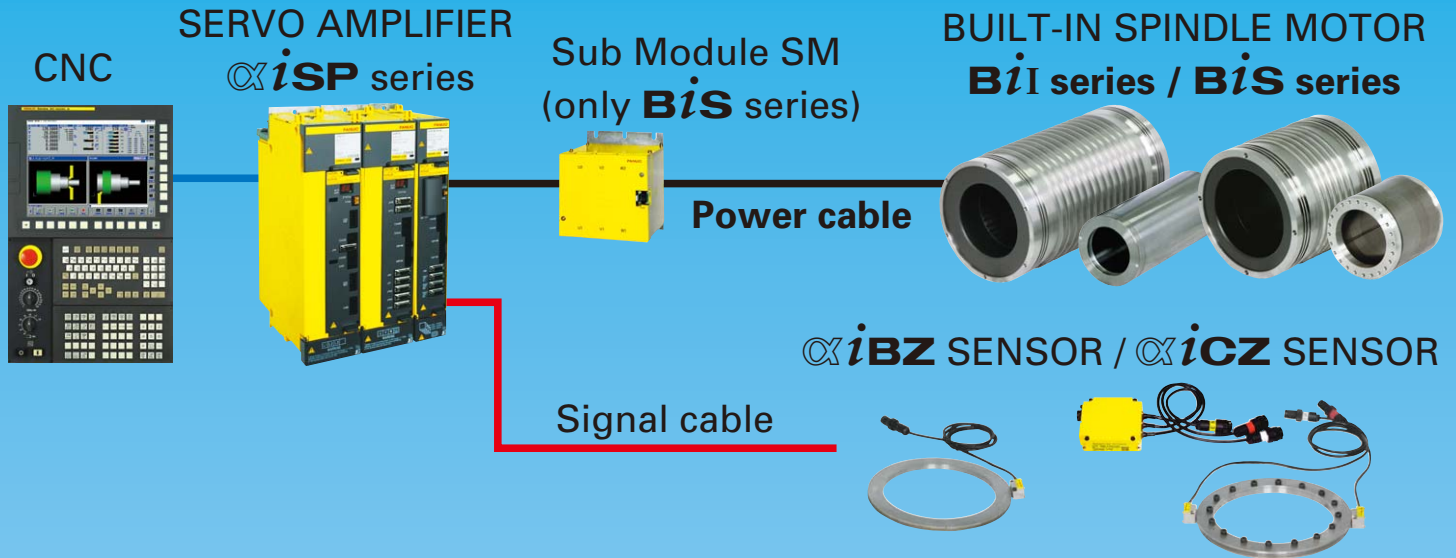
FANUC BUILT-IN SPINDLE MOTOR BiS series

Features

- **BiS** series offers large torque at low speed with compact motor size by strong neodymium magnets, and is suitable for turning or gear cutting machine.
- Compact size and large torque achieved by strong neodymium magnets
- Low torque ripple achieved by optimum magnetic circuit design
- High speed and high power achieved by Sub Module SM
- Larger torque and higher power achieved by efficient heat radiation of stator resin mold

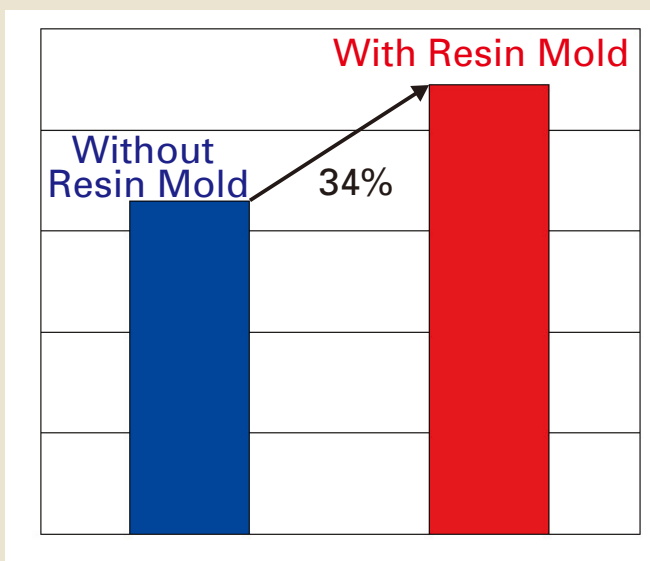


System configuration

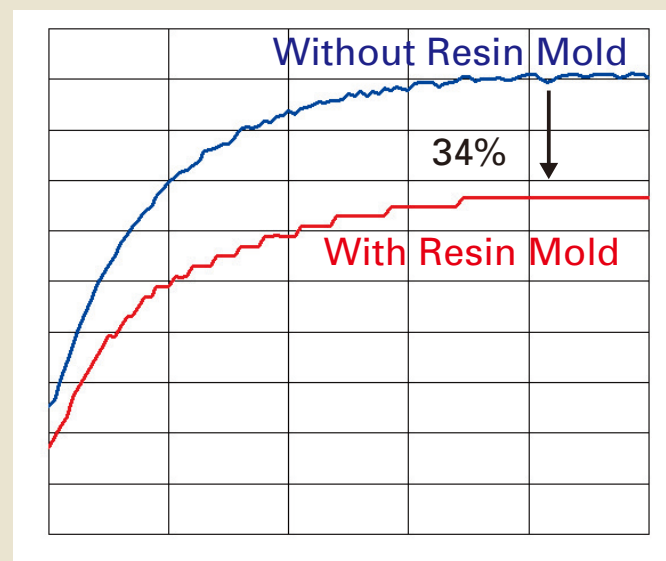


Stator resin mold (BiI series ; Option, BiS series ; Standard)

- Larger torque, higher power or lower temperature rise achieved by efficient heat radiation of stator resin mold (Necessary to increase chiller capacity)



Continuous rated output



Temperature rise at the same output

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 Training Center

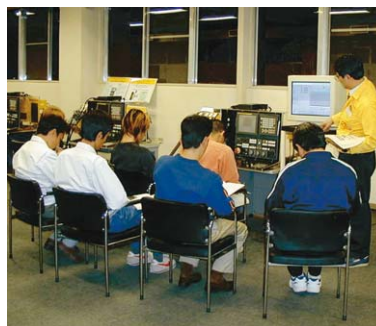
FANUC Training Center operates versatile training courses to develop skilled engineers effectively in several days.

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