

Flange & Straight Motors/Spindles:  $\varnothing 19.05\text{mm}$  |  $\varnothing 20\text{mm}$  |  $\varnothing 22\text{mm}$

## **ELECTRIC SPINDLES FOR MICRO PARTS MANUFACTURING**

- Compact Design for Swiss Style Machines
- Maximum Speed: 80,000 rpm
  - Maximum Output: 150W
  - Accuracy of less than 1  $\mu\text{m}$

[www.NSKAmericaCorp.com](http://www.NSKAmericaCorp.com) | (847) 843-7664 | Toll Free: (800) 585-4675



## One Piece Motor-Spindle Type

1,000-80,000 rpm  
Output 140W/150W

- Shorter spindle length is suitable for compact sized automatic CNC lathes.
- The iSpeed3 series has sensorless motors and are equipped with super precision hybrid ceramic bearings for longer spindle life.

## Features

- Maximum Speed: 60,000 / 80,000 rpm
- Maximum Motor Power Output: 140W / 150W
- Air-Cooling System
- Spindle Accuracy
- High Rigidity, Short Body
- Motor Connector Attaches Directly to the Back of the Motor-Spindle

## Controller



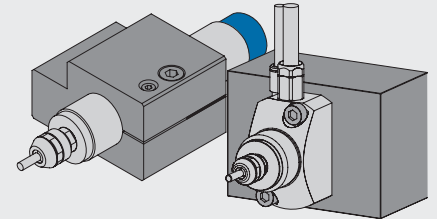
- LED Speed and Load Indicators
- Input / Output Controls Signal Examples
- Motor Protection System
- Emergency Stop Circuit

## BM

### Straight & Flange Type with Quick Disconnect

#### Features:

- Straight and Flange type motor-spindle with pigtail for motor cords with quick disconnect.
- Flange type motor spindles for machines with tool block with a blind hole.
- O.D. sizes for all Swiss type machines

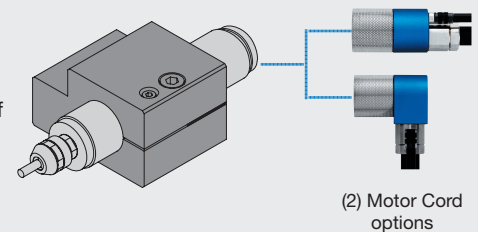


## BMJ

### Straight Type without Motor Cord

#### Features:

- Straight motor-spindle with O.D. sized for all swiss type machines.
- Uses a straight or 90 motor cord that attaches to the rear of the motor-spindle
- Ability to insert the motor-spindle from the front or rear of the tool block.



### Sequential Operation of up to (2) Motor / Spindles\*

\* (2) motors cannot be operated simultaneously

