



EXPAND THE CAPABILITIES OF YOUR CURRENT MACHINES

ELECTRIC STRAIGHT SPINDLES

- Ideal for robotics and automation
- Powerful & lightweight to minimize robotic load
 - Wide variety of interchangeable spindles
- Available in one-piece and modular spindles
 - Low vibration brushless DC motors

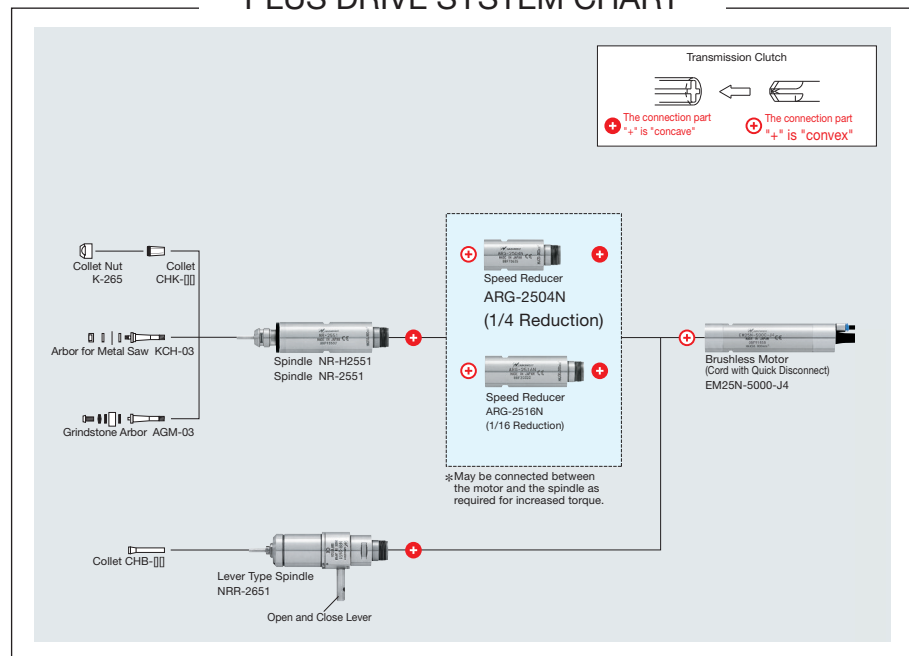
www.NSKAmericaCorp.com | (847) 843-7664 | Toll Free: (800) 585-4675



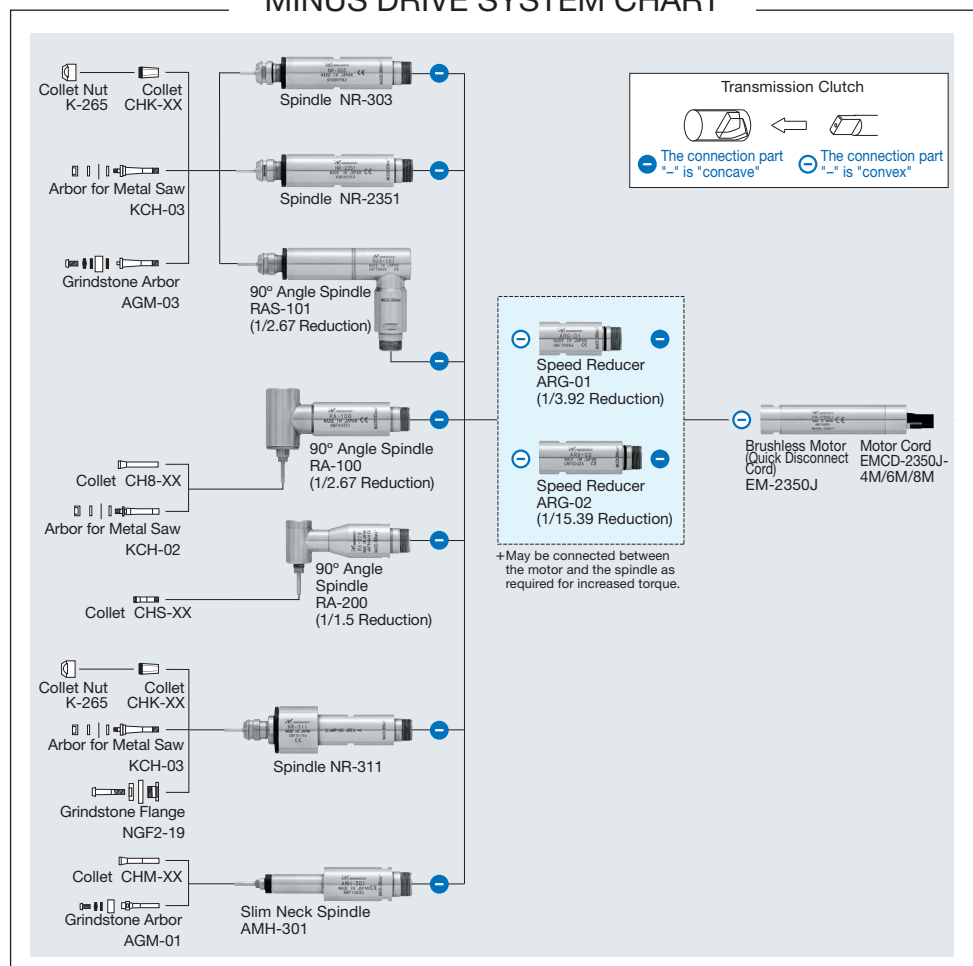
The E2000 Series employs a high-speed, ultra-quiet brushless motor with up to 50,000 RPM and maximum power of 200W. Easily attach a wide variety of interchangeable precision spindles that provide outstanding system flexibility.

A high-performance compact system that is easy to mount in cramped control cabinets.

PLUS DRIVE SYSTEM CHART



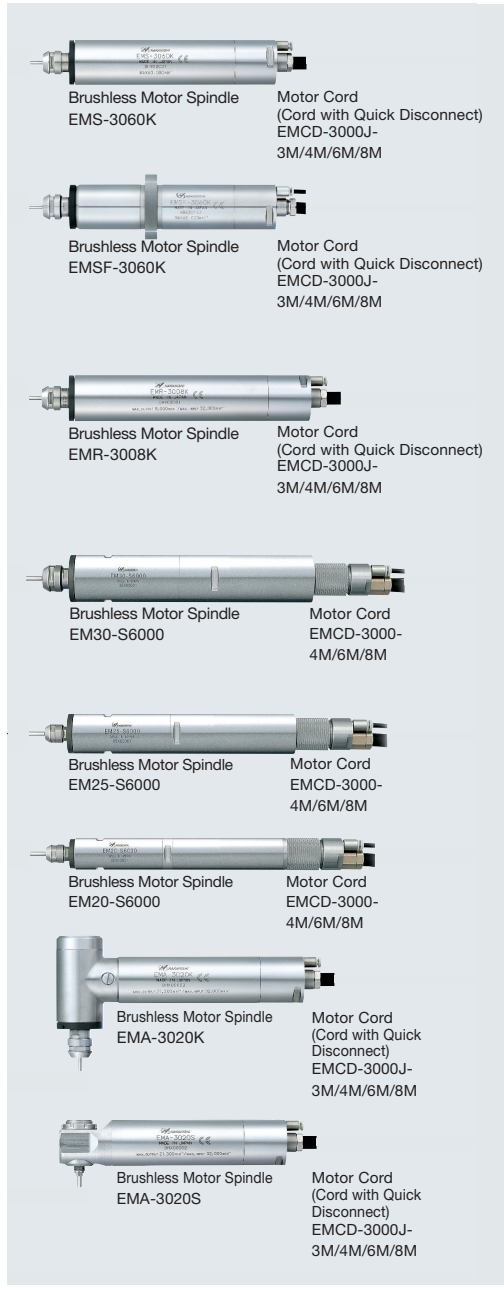
MINUS DRIVE SYSTEM CHART



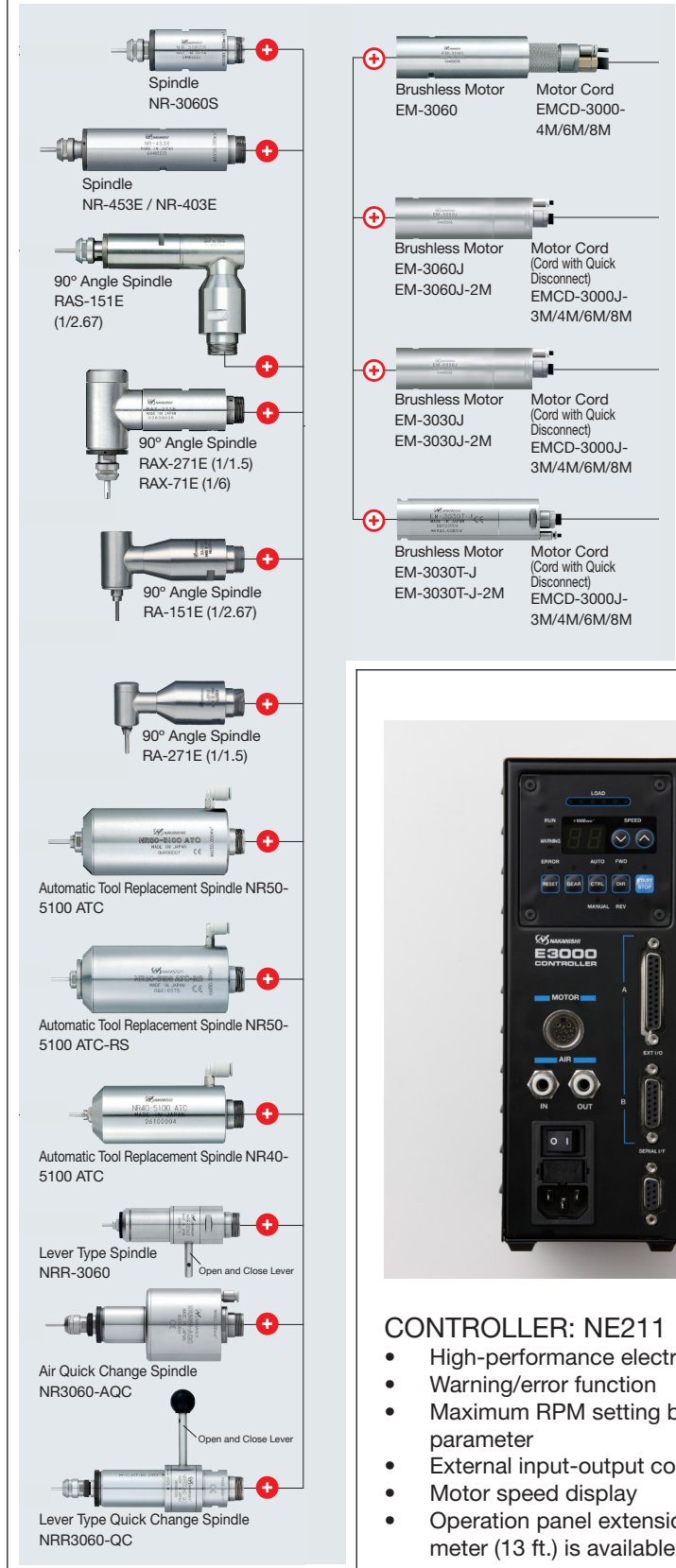
CONTROLLER: NE314

- 1,000~50,000 rpm
- Max output 200W
- Dual motor connection
- High-performance electric circuit
- Warning/error functions

ONE PIECE TYPE SYSTEM CHART



MODULAR TYPE SYSTEM CHART



SELECTOR: NE212

- Connect up to 4 motors, providing individual control of each motor
- AC100-240V for international operation



CONTROLLER: NE211

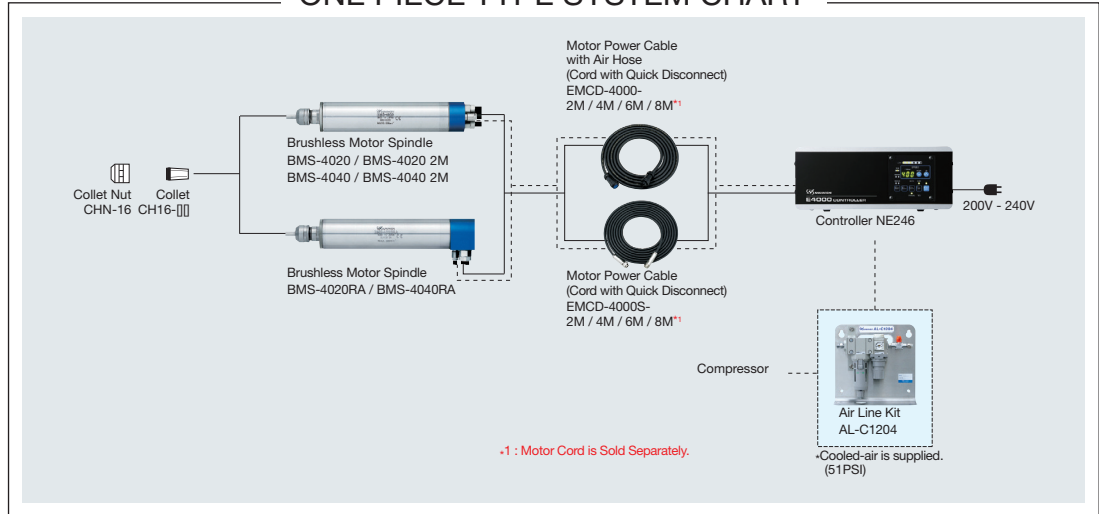
- High-performance electric circuit
- Warning/error function
- Maximum RPM setting by parameter
- External input-output connector
- Motor speed display
- Operation panel extension cord 4 meter (13 ft.) is available



CONTROLLER: NE246

- High Power Solution
- Designed for use on CNC lathes, robots, special application machines
- For precise milling, drilling, grinding, slitting, and deburring

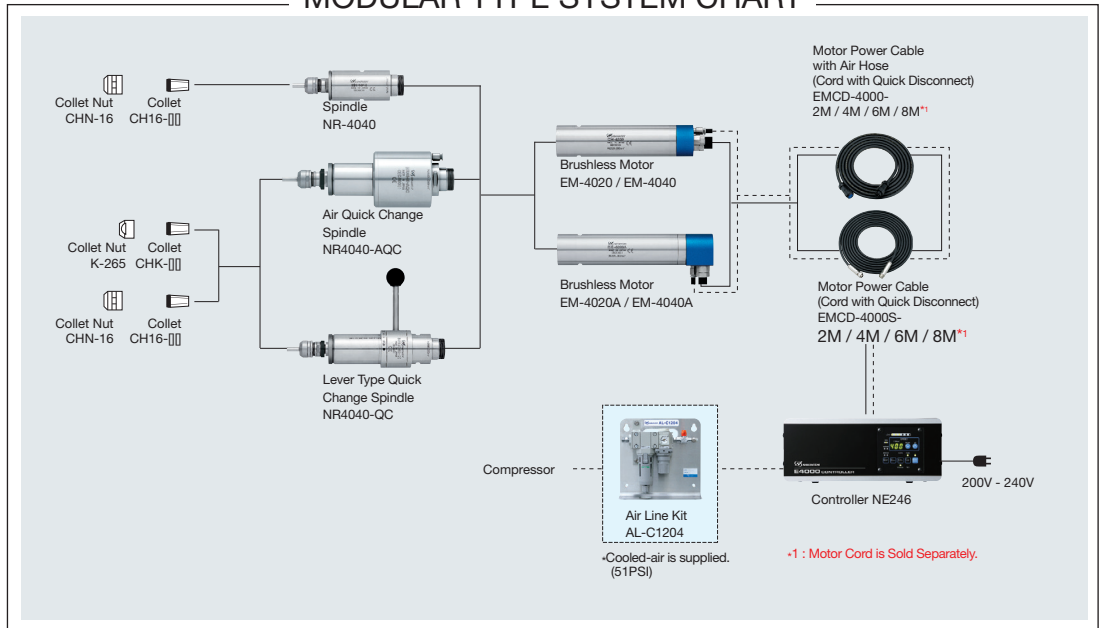
ONE PIECE TYPE SYSTEM CHART



SAFETY RELAY BOX

- Mounts directly on E4000 controller
- Allows emergency stop signal from CNC to stop the E4000 motor spindle or the E4000 controller to stop the machine operation

MODULAR TYPE SYSTEM CHART



MOTOR SPINDLE: BMS-5010 & BMS-5010RA

High torque motor spindle

- Highest torque of Nakanishi spindles - up to 2 N·m
- Compact body with outer diameter of 1.969" (50 mm) and weight of 2.4kg
- Accepts ER20, ER20UP collets with a maximum tool shank of 13mm
- 10,000 rpm maximum speed with 1μ of runout
- 1200 W of maximum power