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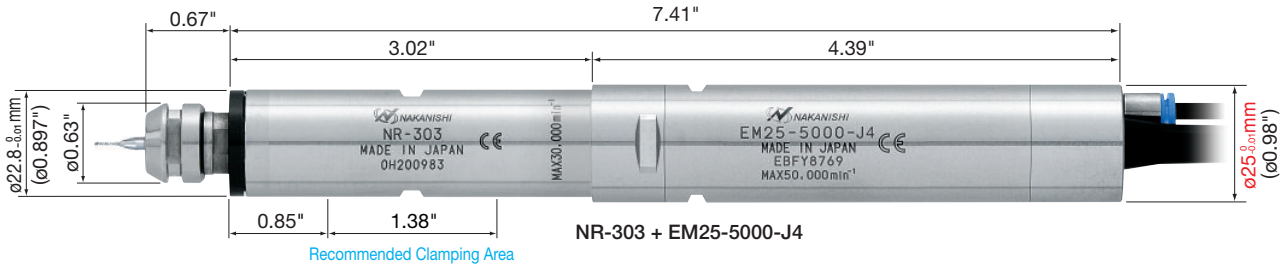
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Features of E2280 Series



NR-303 + EM25-5000-J4

Maximum Output 200W
The E2280 Series motor is a brushless DC motor utilizing hall elements and rare-earth magnets in the rotor. The Motor develops 200W.

Brushless Motor
The brushless DC Motor designs allows for excellent reliability and durability. The brushless DC Motor can be steplessly controlled up to 50,000 min^{-1}(rpm).

Air-Cooling System
Air-cooled motor uses a small volume of dry air (1.0 CFM) to minimize heat buildup and allow continuous operation.
Air pressure required is 36-44 PSI.

Wide Variety of Interchangeable Spindles are Available
Straight-type spindles are available along with speed reducers to increase torque as well as 90° degree spindles to provide outstanding system flexibility.

System Protection Function
The E2280 Series is equipped with a protective function to stop the spindle rotation automatically in case of overload ensuring safe and smooth operation. When the protective circuit is activated, an error code is shown on the digital display. In case of an air supply failure, the protective circuit limits the motor/spindle to 30,000 min^{-1}(rpm) maximum.

Centering Mode Switch
This switch activates the centering mode, which maintains a constant 500 min^{-1}(rpm) spindle speed for centering the tool.

Operating Parameters
The operating parameters can be preset for : ∗Fixed Motor Speed ∗Maximum Motor Speed ∗Operating without Air and several other functions.

2 Motors can be connected (No Simultaneous Operation)
Up to 2 motors may be connected to 1 controller and operated sequentially making this system very easy to use when multiple live tools are required.

Compact Vertical Controller
The compact, vertical design of the controller makes it extremely easy to mount in cramped control cabinets.

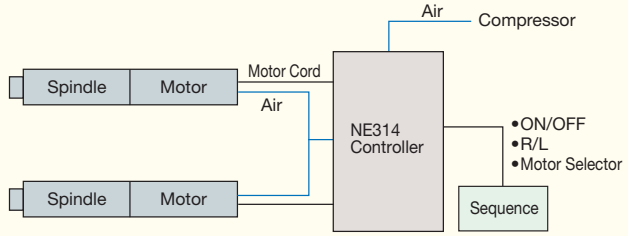
Power Source Auto Detection
The controller is capable of being connected to AC100V or AC240V power sources. The Auto Sensing feature reduces installation time and eliminates the possibility of connecting the incorrect voltage.

Stainless Steel Body
The housings of the motor and spindle are made from precision ground stainless steel (SUS416).

Emergency Stop Function
By setting a parameter, an emergency stop signal can be activated. Using the open detection signal of the motor power line through the safety relay, the E2280 controller can establish a safe operating system.

Automatic Control System Chart

Sequential Operation of up to 2 Motor / Spindles



∗The E2280 Series controller has the ability to control up to 2 motors sequentially. 2 motors can not be run simultaneously.

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