



TRANSFORM YOUR CONVENTIONAL MACHINE INTO A HIGH-SPEED MACHINING CENTER

ELECTRIC SPINDLES FOR MACHINING CENTERS

HES510: 50,000 rpm max

HES810: 80,000 rpm max



BT/CT



HSK A

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





Ultra-precision, high-speed **HES Spindles** allow you to use your existing equipment for a much larger variety of operations. With the HES, conventional milling machines and machining centers can now perform high-speed machining, small diameter drilling and milling with exceptional surface finishes.

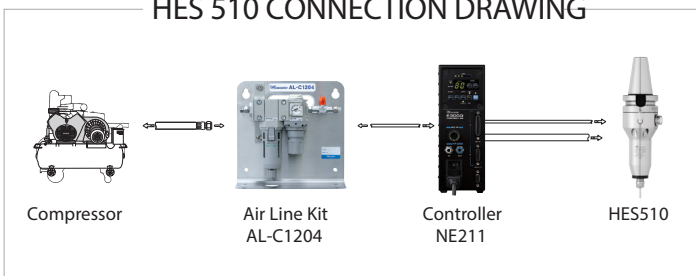


Features

- Maximum Speed: 50,000 rpm (HES510) or 80,000 rpm (HES810)
- Maximum Power Output: 350W
- Spindle accuracy less than 1 μ m
- Transforms CNC mills into high-speed machining centers
- Ultra-precision ceramic bearings for high-speed performance
- Brushless DC motor
- Air-cooling system
- Eliminates wear on machine spindle
- Protection circuit
- Large variety of tapers available
- Small diameter drilling and milling
- Integral motor and spindle construction
- Emergency break-away connector

| IMAGE | PRODUCT | DRIVE TYPE | TYPE | VOLT | CONSUMPTION | MAX SPEED | OUTPUT POWER | MAX COLLET | SHANK |
|---|---------|------------|--------------|------|--------------------|-----------|--------------|------------|--|
|  | HES510 | Electric | Brushless DC | 120V | 1.0 CFM (cooling) | 50,000 | 340W | 1/4in | BT30 / 40 / 50 CAT40 / 50 ST32 HSK A63 / A100 |
|  | HES810 | Electric | Brushless DC | 120V | 0.53 CFM (cooling) | 80,000 | 350W | 4.0mm | BT30 / 40 / 50 CAT40 ST32 HSK A63 |

HES 510 CONNECTION DRAWING



HES 810 CONNECTION DRAWING

