



COMPLETE METALWORKING SOLUTIONS

(800) 991-4225 www.ahbinc.com ISO Certified customerservice@ahbinc.com

ULTRA-PRECISION HIGH-SPEED MILLING SPINDLE

HES Spindles

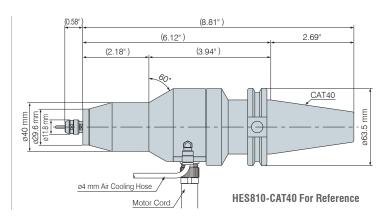
Electric System



HES Series can be used in conjunction with water or oil based coolants.

Product Highlights

- Brushless DC motor with cooling air and purge air allow long, continuous operation without heat buildup
- Ceramic Bearings allow for extreme high-precision cutting with maximized life expectancy
- Smooth Rotation and Low Vibration yields better surface finish
- One-Piece motor and spindle construction
- Emergency Connector standard on all HES Spindles





The HES Series motors and spindles require dry, clean, regulated air.



Factory Machine Tool - Max. 10,000rpm



HES510 Spindle - Max. 50,000rpm HES810 Spindle - Max. 80,000rpm

DG021819 TFL-NSK-HES





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HES Spindles

Electric System

- HES spindles allow you to modify your existing equipment for high speed micro machining
- HES Spindles give conventional milling machines and machining centers the capability to do higher-speed machining, small diameter drilling, small diameter milling, and engraving

HES510

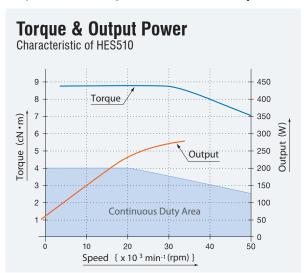
5,000-50,000 rpm

Spindle Prices Starting at \$2,980

Max. Collet Size 6.35 mm

Max. Output Power 340W

Spindle Accuracy less than 1 μ m



Purchasing Example - HES 510 (Based on CAT40 Spindle Pricing)		
Description	Price	
Spindle with CAT40 (with standard 1/8" collet)	3,142.00	
Controller	2,025.00	
13ft Motor Cord	400.00	
Air Line Kit	350.00	

Total	5,917.00
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HES810

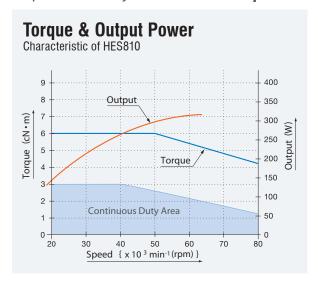
20,000-80,000 rpm

Spindle Prices Starting at \$5,408

Max. Collet Size 4.0 mm

Max. Output Power 350W

Spindle Accuracy less than 1 μ m



Purchasing Example - HES 810 (Based on CAT40 Spindle Pricing)		
Description	Price	
Spindle with CAT40 (with standard 1/8" collet)	5,559.00	
Controller	2,025.00	
13ft Motor Cord	400.00	
Air Line Kit	350.00	

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