



## ELECTRIC SPINDLES FOR MACHINING CENTERS

- Wireless Plug & Play Performance Ideal for Lights-Out Operation
- Transforms CNC Machines into High-speed Machining Centers
  - No Wear on Machine Spindle
- Ultra-Precision Ceramic Bearings for High-Speed Performance
  - Air-Cooling System
- Small Diameter Drilling and Milling
- Large Variety of Tapers Available

The **iSpeed5 System** consists of a motor spindle, stop block, air pressure switch, air line kit, and control unit. Power, cooling air, and control signals are provided to the spindle when engaged to the innovative electro-mechanical stop block that attaches to your machine tool spindle.



## Features

- The iSpeed5 is created for continuous lights out manufacturing, even in the case of cutting fluids and coolants.
- The internal air passage allows the pressurization and cooling of the system while preventing the entry of contaminants into the stop block.
- Maximum Speed: 60,000 / 80,000 rpm - variable speed units
- Maximum Motor Power Output: 350W
- Available Collets:
  - NR3060S: CHK diameter  $\varnothing 0.5\text{mm} \sim \varnothing 6.35\text{mm}$
  - NR3080S: CHA diameter  $\varnothing 0.5\text{mm} \sim \varnothing 4.0\text{mm}$

## System Chart



\*CAT40/BT40/HSK63A weigh < 9lbs. CAT50/HSK100A weigh < 13lbs.

## Handy Controller



The iSpeed5 hand controller allows hand-held operation of the system from a distance. The device features all of the same buttons and functions as the main controller, including speed adjustment, reverse, and reset.

## Stop Block



The iSpeed5 stop block integrates with the iSpeed5 controller in order to make automatic tool change possible. The stop block shape and size are unique to your machine brand and model. Contact your NSK Sales Representative for inquiries.