AN OVERVIEW OF DYNOMAX STANDARD SPINDLES

VARIABLE FREQUENCY DRIVE (VFD)

By far the most popular AC drive today is the pulse width modulated type. A big advantage of these devices is their fast switching speeds resulting in higher pulse or carrier frequency, which minimizes motor noise.

TURNING

BORING

MILLING

EVERY DYNOMAX SPINDLE CAN BE EQUIPPED WITH AN **AUTOMATIC OR MANUAL DRAWBAR SYSTEM**

Drawbars use pressure to hold and release tooling, allowing a spindle to utilize multiple tools.

Drawbars must provide sufficient pulling force to overcome all forces created by cutting that would tend to pull the tool out of the spindle. They range from manual, mechanical, up to pneumatic and hydraulic types of system.

GRINDING

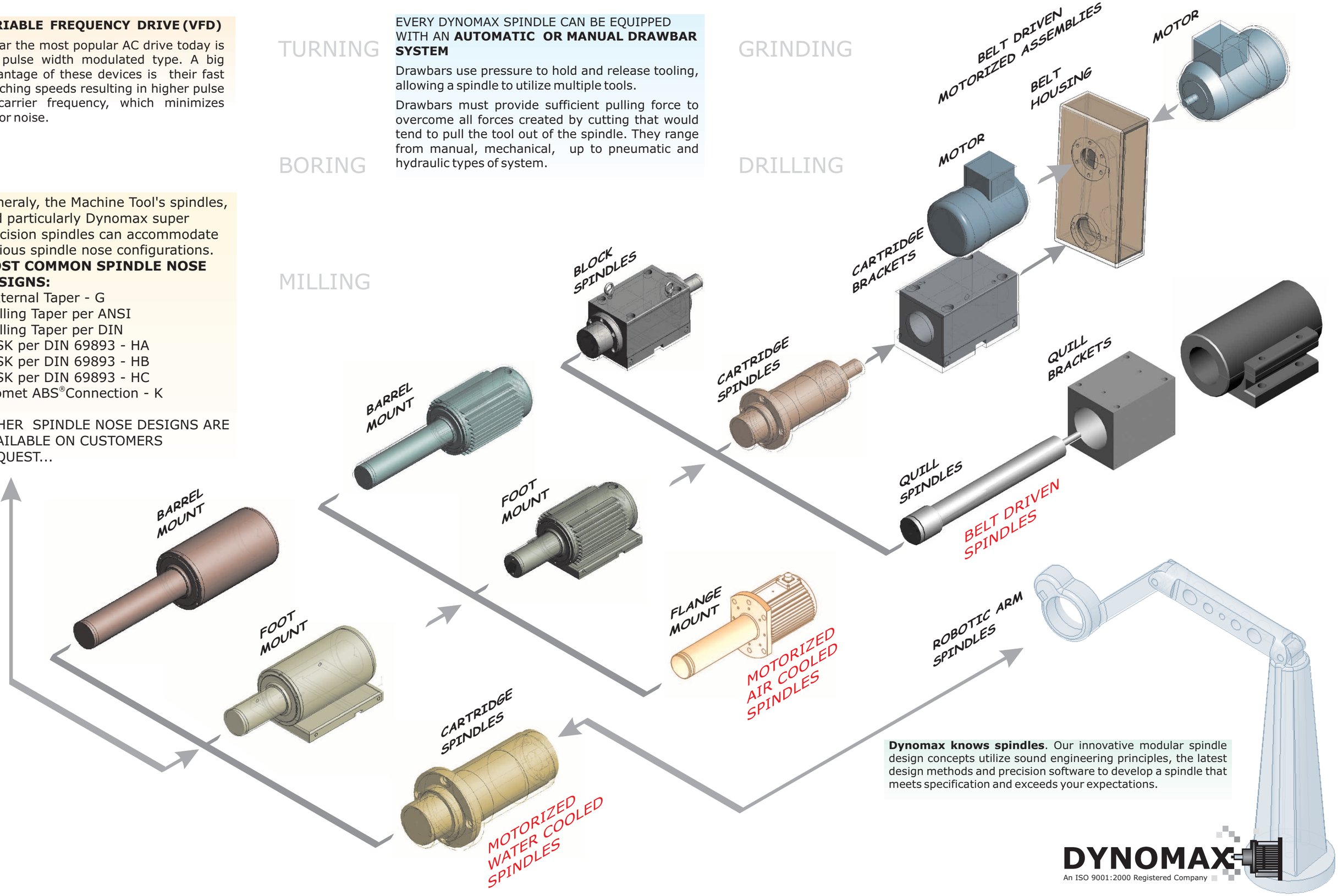
DRILLING

Generaly, the Machine Tool's spindles, and particularly Dynomax super precision spindles can accommodate various spindle nose configurations.

MOST COMMON SPINDLE NOSE DESIGNS:

- External Taper - G
- Milling Taper per ANSI
- Milling Taper per DIN
- HSK per DIN 69893 - HA
- HSK per DIN 69893 - HB
- HSK per DIN 69893 - HC
- Komet ABS®Connection - K

OTHER SPINDLE NOSE DESIGNS ARE AVAILABLE ON CUSTOMERS REQUEST...



Dynomax knows spindles. Our innovative modular spindle design concepts utilize sound engineering principles, the latest design methods and precision software to develop a spindle that meets specification and exceeds your expectations.

DYNOMAX

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