

HEIDENHAIN

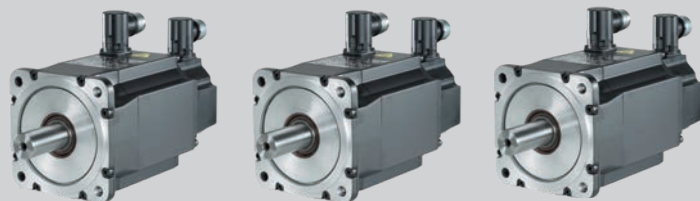
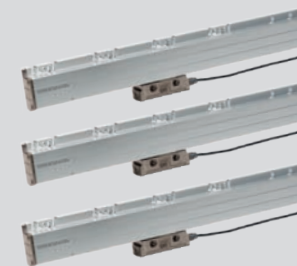
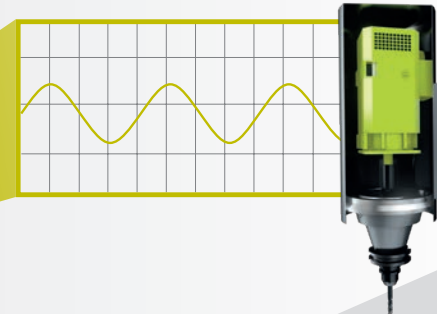


Gen³

UMS 312 Sine-Wave Drive

Compact, all-in-one solution for high-frequency spindles

High performance and convenient integration



The **UMS 312 sine-wave drive** rounds out the HEIDENHAIN portfolio of Gen 3 components by catering specifically to high-frequency spindles:

- Seamless integration into Gen 3 systems
- Compact, all-in-one solution
- No additional components needed (e.g., reactors)
- High power density through state-of-the-art semiconductor technology

Applications that call for a mirror finish, particularly in moldmaking, often require an extreme-performance, high-speed spindle. Based on hardware specially designed for this kind of spindle, the UMS 312 sine-wave drive delivers many benefits:

- Sine-wave output signals
- Greater process reliability through reduced spark erosion
- Optimized thermal behavior of the motor
- Higher attainable rotational speeds, especially for HF spindles
- Superior motor performance



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