

# Spin profit with Premium ES spindles



- Higher level of manufacturing precision for all spindle components

**Benefit:**  
Long life

- Compact neck bearing manufactured with higher precision
- Only two point contact (at footstep and neck bearing)

**Benefit:**  
Low noise level

- 18 mm wharve diameter

**Benefit:**  
Significantly lower energy consumption

- Optimised damping of spindle vibrations with improved design and German components

**Benefit:**  
Low vibrations

- Strong and sturdy design of HF1/ HF100 spindle bearing units

**Benefit:**  
Suitable for both manual and auto doffing

Upto **10%** less power consumption by Premium ES spindles and its drive system

*when compared with European make standard spindles*

**Most energy efficient and price competitive solution to reduce energy cost**

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