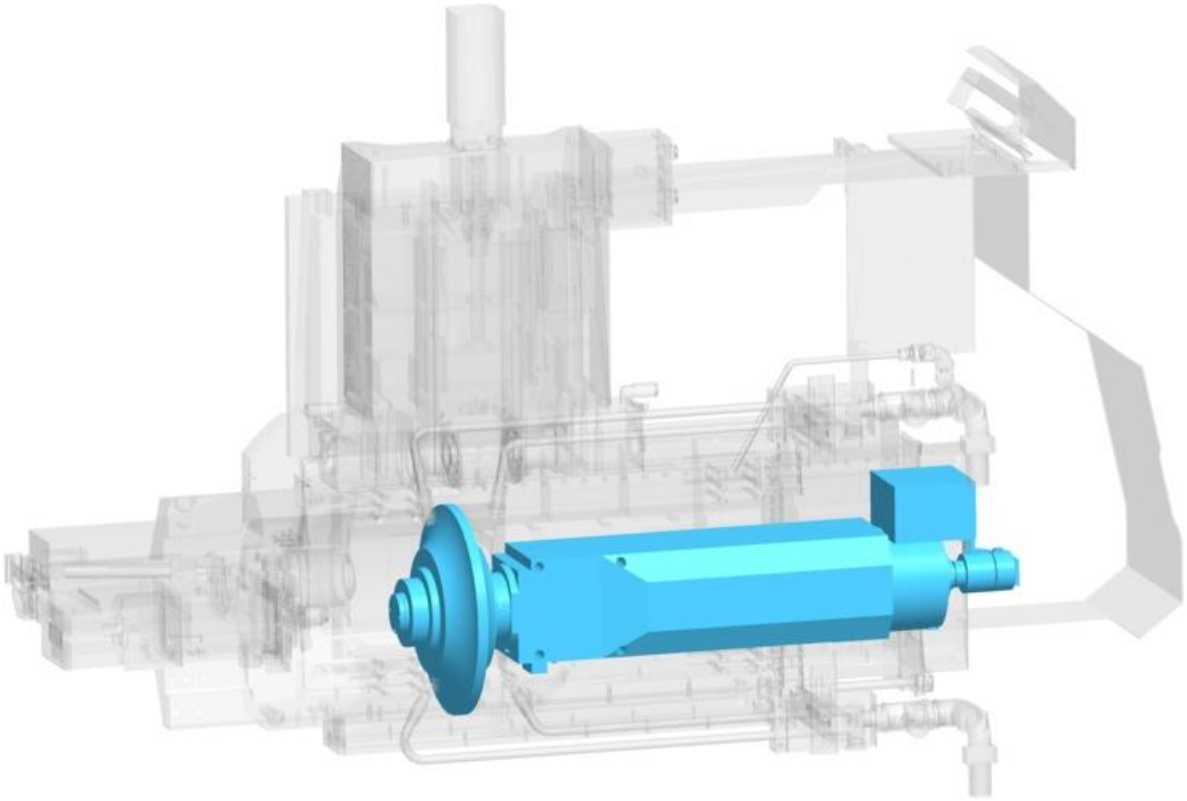
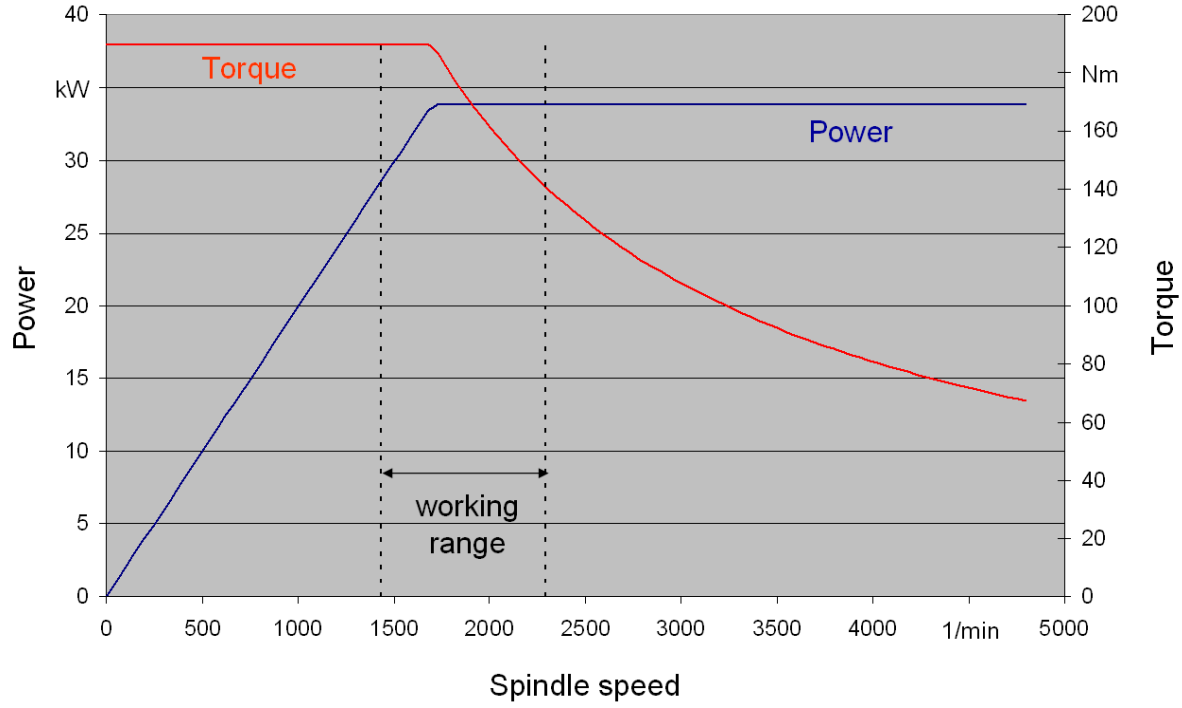
New Grinding Spindles for Gleason's Profile Grinding machines



The demand for shorter grinding times and/or increased profile depth results in the need for higher spindle torque and power. To match these requirements Gleason has developed two new direct driven grinding spindle variants for their medium and large size machine series.

- ✓ **Ideal motor characteristic: high torque at realistic spindle speed**
  Usually most people only consider the maximum spindle power. But the most important is the motor characteristic defined by the maximum torque and the nominal spindle speed. The nominal spindle speed defines the speed when the maximum power of the spindle is achieved.
  Many spindles in the market are characterised with high power but they can achieve this high power only at very high spindle rpm which are not used under real operating conditions. Hence the spindle power being available at realistic spindle speeds is much lower.

- ✓ **New direct driven spindle for large size machines:** The new direct driven spindle provides 190 Nm torque at 1700 rpm which results in a spindle power of 34 kW. Ideal to grind faster or with higher profile depth on our Gleason Profile Grinding machines P 800 G to P 6000 G.



The motor characteristic diagram of the new 34 kW grinding spindle is showing the ideal use of high torque and high power within the typical working range.

- ✓ **New direct driven spindle for medium size machines:** The new direct driven spindle provides 150 Nm torque at 1700 rpm which results in a spindle power of 27 kW. Ideal to grind faster or with higher profile depth on our Gleason Profile Grinding machines P 400 G to P 600/800 G.

Ask Gleason to learn more about these new grinding spindles designed with optimized motor characteristics for profile grinding.

For more information on Gleason Profile Grinding Machines, please click here