

200SVP Shaving Machine: The New Benchmark in Economical Shaving

Fine finishing for soft machining of spur and helical gears in medium and high volumes becomes more economical with plunge shaving process.

Gear shaving is a well-proven fine finishing process for soft machining of spur and helical gears. The process combines high productivity and high workpiece quality, at minimal machining and tooling cost. Making this process even more economical for medium- and high-volume production applications was the objective for development of the new Gleason 200SVP Shaving Machine at the Gleason's ultra-modern new Bangalore, India facility. The machine is ideally suited for automotive and motorcycle gears and shafts up to module 3 mm, 200 mm in diameter, and shaft lengths up to 400 mm.

The 200SVP employs plunge shaving, which is especially efficient because the shaving process is realized by radial infeed of the shaving cutter and requires only one NC-axis. Additional movements with further NC axes, as employed for diagonal or parallel shaving processes, are not required. The simple machine design results in a lower investment cost.

Another advantage of the plunge shaving process is that lead modifications like crowning or tapers

can be ground into the shaving cutter and applied to the workpiece. With plunge shaving, these modifications can be easily determined and precisely executed by computer aided cutter grinding using a Gleason 410SCG Shaving Cutter Grinding Machine.

With a footprint of less than 6 m² and easy access from all sides, the 200SVP is the perfect machine for either manual loading or automated workpiece handling.

The 200SVP is also backed by many decades of Gleason-Hurth knowledge



The new Gleason 200SVP is ideally suited for production of automotive gears and shafts using the economical plunge shaving process.

and experience in gear shaving, all while maintaining an attractive price without sacrificing quality. The well proven design of many of the 200SVP's components, such as the shaving head and tailstock, are based on Gleason shaving technology with hundreds of installations worldwide. Automatic clamping of shaving cutters radially and axially as well as quick-change clamping fixtures are standard features which greatly reduce changeover time for batch production applications.

Gleason provides not only a very economic shaving machine but a complete shaving system which includes workholding, highly precise shaving cutters as well as reconditioning services for worn cutters.



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