



GEAR CUTTING CAPABILITIES



Hobbing

- >> Spurs
- >> Helicals
- >> Sprockets

Shaping

- >> External
- >> Internal

Grinding

- >> Gear
- >> Grinding

Broaching

- >> Spline
- >> Keyway



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Spur & Helical Gears



Spline & Gear Shafts



Specialty Gears & Shafts

SPUR & HELICAL GEARS

IPM can produce external spur & helical gears in a size range of .750" to 20.00" diameter, with a maximum Diametral Pitch of 3.2 (8 Mod); the gear teeth are cut by either hobbing or shaping. Smoother finishes as well as more accurate gear tooth profiles are achieved by gear shaving.

SPLINE & GEAR SHAFTS

Spline and gear shafts from approximately 1.00" to 12.00" diameter with lengths of up to 36" are within IPM's every day capability. Spline and gear tooth lengths are dictated by the shaft design and machine limitations.

GEAR GRINDING

With our latest addition of a Gleason 245TWG, IPM is now able to offer gear grinding services to its customers. AGMA quality levels of 12 or better are achievable. This machine will produce gears up to 10.00" dia, with a maximum DP of 5.

BROACHING

Spline and keyways are produced almost every day at IPM by utilizing our 15 ton, 60" stroke horizontal broaching machine.

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