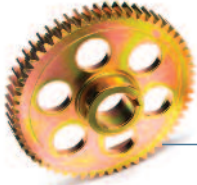


CONVERT YOUR GEARS TO POWDER METAL AND REDUCE YOUR MANUFACTURING COSTS



Powder Metal (P/M) technology allows the more cost-effective production of gears, eliminating the waste in resources and energy that more costly casting and machining methods require. Instead, PM allows engineers to utilize a variety of metal alloys to control application-specific mechanical and magnetic properties.

Symmco Can Help You:

- Produce spur, helical, bevel, ring, miter, compound and worm drive gears
- Manufacture P/M gears at AGMA level 6 without secondary operations
- Eliminate broaching operations by producing various ID types that include splined, hexagon, square, D-shaped and keyed
- Conduct prototype testing utilizing different alloys
- Reduce or eliminate noise since research has shown P/M materials have a noise-dampening effect when compared to cut gear materials
- Utilize gear applications ranging in size from a tiny cell phone hinge to large heavy equipment gears (press size up to 750 tons)

In-House Secondary Capabilities:

- Assembly solutions (including the insertion of bushings, screws and shaft pins)
- Staking
- Drilling
- Tapping
- Turning
- Milling
- CNC machining
- Boring
- Grinding
- Heat treating
- Steam treating
- Vibratory deburring (dry or wet media)
- Vacuum Impregnation (including a wide range of specialty oils)



Symmco Bearings:

- Last two times longer than the competition*
- Exceed industry standards

* Proven by independent testing at a major university.

99% FILL RATE

24 HOUR TURNAROUND

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