

# Penn Gears for Rail Transit Applications

*Penn Machine Company is a leading source for OEM gears and pinions used in rail transportation applications. We are also a major supplier of replacement gearing to transit authorities including those hard-to-find discontinued gears and pinions. Penn Machine has over 90 years of gear manufacturing experience, supplying the rail transportation, locomotive, industrial, and mining markets.*

## Specialized Gear Manufacturing Capabilities:

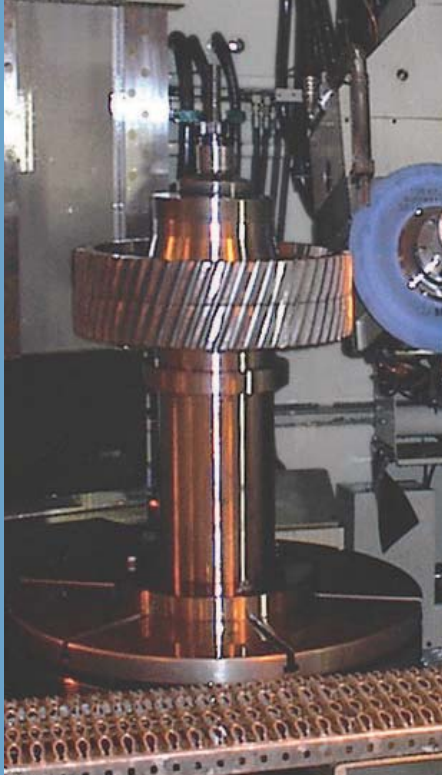
Our extensive gearbox manufacturing/rebuilding experience adds application knowledge to our gear engineering and production capabilities. Penn Machine maintains an in-house drawing library containing most transit authority gearing. We also offer gear engineering and design services, product customization and problem solving.

Penn Machine, an AAR certified manufacturer, maintains specialized manufacturing facilities equipped with computer-controlled equipment. The latest CNC equipment is used to provide customers with high quality (AGMA Class 11 or higher quality) gears and pinions at competitive prices. Large computer-controlled gear hobbers and a battery of gear are used to cut and grind gears, pinions, and couplings. Gears and pinions can be ordered in small quantities or in high volume production runs.



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## Penn Gears for Rail Transit Applications (continued)



### In-House Heat Treating and Quality Assurance Guarantee Quality:

By performing all heat treating within our facilities, Penn Machine can ensure total process control. We carburize and harden gear teeth or through harden the complete gear for consistent and superior wear resistance.

All manufacturing is governed by the latest quality assurance procedures and includes detailed work instructions. Stringent quality control procedures including "first article inspection", 100% in-process inspection, 100% NDT, and modern computerized gear checking/charting ensure high quality gears and pinions.



PENN MACHINE COMPANY

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