

# Advantages of Functionally Derived Tolerances

1. Improved performance and product reliability
2. Lower manufacturing skill levels required
3. Lower cost tooling - fewer special tools
4. Fewer direct manufacturing hours
5. Less expensive machines
6. Less manufacturing downtime
7. Greater utilization of older machines
8. Less expensive test, inspection, and gaging
9. Fewer environmentally controlled areas required
10. Fewer rejects, rework, deviations, and product changes

