



GEARING *Solutions, Inc.*
NEMA Gearheads
using **Roller Gear Technology**



Shop Tooling & Machinery Booklet

A showcase of Gearing Solutions' equipment for Gears & Gearing packages



CNC Machine & Tower Tooling

Enshu



Enshu handles drilling and bolts circles well. **It also cuts the pockets for roller gears and utilizes the same tooling as the Mazak.**

Turntable



Mazak



Mazaks incorporate 3 turntables and several versions of tombstone tooling. One version allows us to do both sides of a part in one setup. Another allows 4-8 platens pr tombstone. Each can hold multiple work pieces boosting output.

Centroid Conversion



These 3 axis mills are used for prototypes and very short run parts. They also help create tooling.



Mazak Tombstone



Tawkisawa Bar Puller



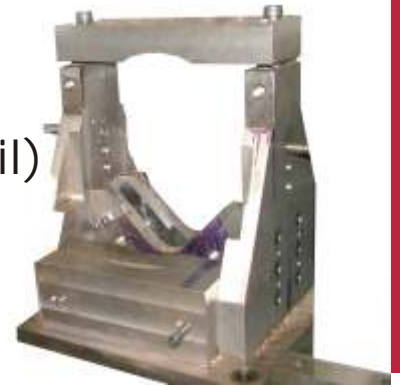
Blanks and short run turning are done in house. Roughing and high horsepower turning operations are best done by specialists.



Various types of Mazak tombstone tooling Designed and Manufactured In-House



(Detail)



Used for
Prototype
parts



Tombstones
With Platens
For Production
Parts





CNC Hard Tooling





In-house Grinding/Inspection

Useful for Short Run and Prototype Work

Universal Grinders



Grinding Wheel & Brushes



Surface Grinders



Belt Sanders



Comparator



These tools are the basis of our advance quality control program.





Conventional Equipment

For Prototyping and Short Runs

Warner & Swasey



Drill Presses



Warner & Swasey



Colchester



Bridgeports



Tool Room Lathe



Multiple Spindle Drill Press



Testing Equipment

For Gearing & Gear Packages

Flywheel Versions



4-Square



Instrument & Power Controls



Capstan



Typical Parts used in Gearing

