Kapp Niles ZE400 - Profile Gear Grinder

This latest addition to our already impressive lineup of gear production machinery will enable IPM to produce gears to higher accuracy levels than ever before. This machine is designed to allow for maximum flexibility in lower quantity production lots and is also capable of achieving the more complex gear geometries found in modern gear designs.

Okuma LB3000 EX II
CNC Lathes (2)

These machines, which are some of the latest models available from Okuma, proves IPM’s commitment in using the best and most up-to-date technology on the market. Capable of turning parts up to 13.3” diameter by 37.4” long. Both are equipped with the latest live tooling technology available.

Mitsubishi ST25
CNC Gear Shaper

With this machine, IPM is now able to shaper cut low volume helical gears, without requiring costly mechanical guides. Cycle times are also shorter, and accuracy of the components produced is much better than ever before.

Kapp Niles ZE500
Profile Gear Grinder

Supertec EGM-350
Multi Spindle ID & OD Grinder

Planotec 1632NC
Surface Grinder

IPM is an ISO 9001:2015 & AS9100 Certified and Registered Company. We take pride in producing high quality parts, utilizing the latest machining and measurement technology available.

IPMINC.com I 320.656.1241
GEAR CUTTING & GRINDING EQUIPMENT LIST

GEAR HOBBERS
- Mitsubishi GE20A CNC (1)
- Mitsubishi GD30 CNC (1)
- Mitsubishi GD20 CNC (1)
- Barber Colman 16-16 (2)
- Barber Colman 6-10 (5)

GEAR SHAPERS
- Mitsubishi ST25 NEW 2020
- Fellows 20-4 (2)
- Fellows 10-4 (2)
- Fellows 10-4 (2)
  Complete rebuild and CNC retrofit.

GEAR SHAVING
- Red Ring GCU 8" (1)
- Red Ring GCI 18" (1)

GEAR GRINDING MACHINES
- Kapp Niles ZE400
  Profile Gear Grinder (1) NEW 2021
- Kapp Niles ZE500
  Profile Gear Grinder (1) NEW 2019

GRINDING MACHINES
- Supertec EG-M-350 Multi Spindle ID & OD Grinder (1) NEW 2019
- Planotec 1632NC
  Surface Grinder (1) NEW 2019
- Mitsubishi CNC OD Grinder (1)
  Model RC22-B100A - 12" OD x 39.5" OAL
- Bryant LL3 ID Grinder (1)
  Full CNC retrofit and mechanical rebuild
- Sunnen Honing Machines (2)

GEAR INSPECTION EQUIPMENT
- Gleason 475GMS (1)
  Full CNC controlled gear inspecting instrument
- Fellows 24" Composite Roll Check (1)

TOOTH ROUNDING & DEBURRING
- Gleason VTR250 - CNC (1)
- James Deburring Machine (1)
- Redin Deburring Machines (2)

BROACHING MACHINES
- Colonial 15-60 Horizontal (1)
- Davis Hansford Key Slotter (1)

TURNING - MILLING - MANUAL EQUIPMENT LIST

CNC TURNING
- Okuma LB3000 EX II Lathe (2) NEW 2020
- Takamaz XY-2000 Plus (1)
- Doosan 400MB Lathe (1)
- Doosan 2600 Lathe (2)
- Doosan V400M Vertical Lathe (2)
- Daewoo V550 Vertical Lathe (1)
- Daewoo Puma 240L Lathe (2)
- Daewoo 10HC Lathe (1)
- Daewoo 12LC Lathe (1)
- Daewoo 82SP Twin Spindle Lathe (1)

CNC MILLING
- Mazak HCN6800 25" Pallet HMC (1)
- Mazak FH6800 25" Pallet HMC (1)
- Daewoo DH630 25" Pallet HMC (1)
- Mazak HCN 5000 20" Pallet HMC (1)
- Mazak PFH4800 15" Pallet HMC (1)
- Mazak VTC160A2 Pallet VMC (1)
- Supermax Rebel 1 VMC (1)
- Hass VF-4SS VMC (1)

OTHER PRODUCTION MACHINERY
- Cossen Horizontal Band Saw; 12" Capacity (1)
- Amada Horizontal Band Saw; 10" Capacity (1)
- Manual Lathes
- Drill Presses
- Dot Matrix Part Marking

INSPECTION EQUIPMENT
- Zeiss Contura 1000/1200/600
- Numerex 2424-18

Full complement of Bore Gauges, Micrometers and other associated hand gauging

ROBOTICS
- Halter Universal
  Compact 12 Robot (1) NEW 2021

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