

# **NEW MACHINE ADDITIONS**

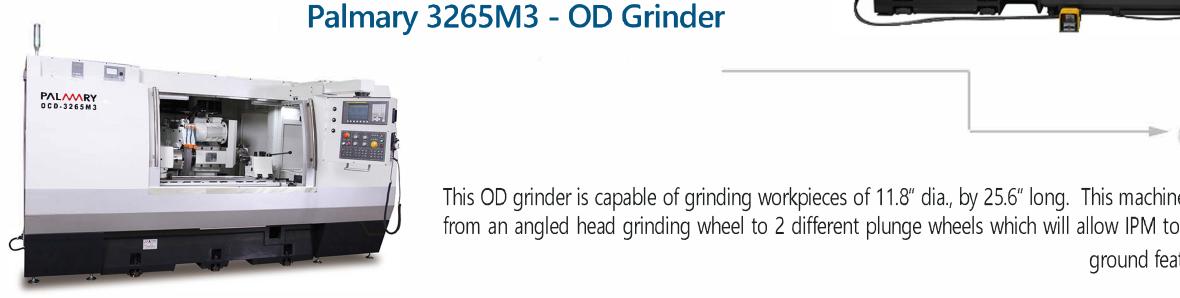
Milling | Turning | Gear Cutting | Gear Grinding ID & OD Grinding | Assembly

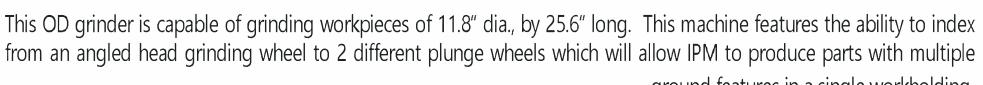
# 2022

# Doosan Puma 4100MB - CNC Lathe

The newest addition to IPM's heavy duty lathe line up. Featuring a 15" chuck and capable of a max. turning diameter of 21.7" dia. x 38.5" max length workpiece as well as live tooling, this machine excels at machining workpieces fast and accurately.







ground features in a single workholding.

99999

## 2021



Kapp Niles ZE400



Nidec/Mitsubishi GE25

#### Profile Gear Grinder

This machine, along with the ZE500 (added in 2019), expands IPM's gear grinding capacity of high precision gearing components. These machines are capable of easily achieving the very highest levels of gear quality in existence.

**NEW IN 2020** 

#### CNC Gear Hobber

The latest CNC gear hobber added to IPM's already impressive inventory of top line gear cutting equipment. Another example of our commitment to our customers in producing the highest quality parts day in and day out.

#### **NEW IN 2020**



Mitsubishi ST25 **CNC** Gear Shaper



Okuma LB3000 EX II CNC Lathes (2)

### **NEW IN 2019**



Kapp Niles ZE500 Profile Gear Grinder

IPM is an ISO 9001:2015 & AS9100D Certified and Registered Company. We take pride in producing high quality parts, utilizing the latest machining and measurement technology available.



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# **GEAR CUTTING & GRINDING EQUIPMENT LIST**

#### **GEAR HOBBERS**

- Nidec/Mitsubishi GE25A (1) NEW 2021
- 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

#### **BROACHING MACHINES**

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

#### **GEAR GRINDING MACHINES**

- Kapp Niles ZE400
  Profile Gear Grinder (1) NEW 2021
- Kapp Niles ZE500 Profile Gear Grinder (1) NEW 2019
- Gleason TWG 245Gear Grinder (1)

#### **GRINDING MACHINES**

- Palmary 3265M3OD Grinder (1) NEW 2022
- Supertec EGM-350 Multi Spindle ID & OD Grinder (1) NEW 2019
- Planotec 1632NC
  Surface Grinder (1) NEW 2019
- Mitsubishi CNC OD Grinder (1)
- Model RC32-B100A 12" OD x 39.5" OAL
- 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)



## TURNING - MILLING - MANUAL EQUIPMENT LIST

### **CNC TURNING**

- Doosan Puma 4100MB Lathe (1) NEW 2022
- 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)

## **CNC MILLING**

- Mazak HCN6800 25" Pallet HMC (1)
- Mazak FH6800 25" Pallet HMC (1)
- Daewoo DHP630 25" Pallet HMC (1)
- Mazak HCN 5000 20" Pallet HMC (1)
- Mazak PFH4800 15" Pallet HMC (1)
- Mazak VTC160A 2 Pallet VMC (1)
- Hass VF-4SS VMC (1)

#### **OTHER PRODUCTION MACHINERY**

- Lasermarker Cobalt Dominator NEW 2021
- Haas TL-2 CNC Toolroom Lathe
- Cossen Horizontal Band Saw; 12" Capacity (1)
- Amada Horizontal Band Saw; 10" Capacity (1)
- Manual Lathes
- Drill Presses
- Dot Matrix Part Marking

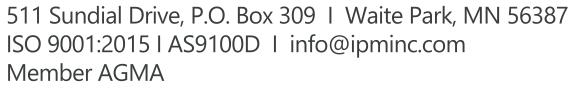
#### **INSPECTION EQUIPMENT**

- Zeiss Contura 7/10/6 NEW 2023
- 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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