

# Newmont Engineering Primary Plant



Revised: 23/10/2017

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## Detailed List

CNC Lathes	Capacity	Configuration or Process
1 - Citizen M32	32mm max diameter	11/14 Axis. Sliding Head Lathe. Bar Feed. Driven Tooling & Sub-spindle.
1 - Citizen L20	20mm max diameter	7 Axis. Sliding Head Lathe. Bar Feed. Driven Tooling & Sub-spindle
1 - Hardinge Conquest 42	225mm max diameter 42mm bar	3 Axis. Driven Tooling & Sub-spindle. Bar Feed.
2 - Okuma LB10M	250mm max diameter	3 Axis. Driven Tooling
1 - Okuma LB15M	370mm max diameter	3 Axis. Driven Tooling
1 - HAAS TL2 CNC	400mm max diameter	2 Axis. Toolroom Lathe
1 - HAAS TL-25 SE	260mm max diameter	2 Axis. Twin Spindle
1 - HAAS ST-10Y	230mm max diameter	4 Axis. C and Y Axis Milling
1 - Linear CT1118 Cyclematic	150mm max diameter	2 Axis. Precision Platen Lathe

CNC Milling	Capacity	Configuration or Process
1 - Fadal VMC 3016 Vertical	30 x 16 x 20 inches	4 Axis. Vertical
1 - Fadal VMC-22.6 Vertical	22 x 16 x 20 inches	4 Axis. Vertical
2 - Okuma Genos 460	22 x 16 x 20 inches	4 Axis. Vertical
1 - Hurco VM10	533 x 406 x 483mm	3 Axis. Vertical
1 - Haas VF1	508 x 406 x 508 mm	4 Axis. Vertical
1 - Haas VF2	762 x 406 x 508 mm	4 Axis. Vertical

Gear Cutting	Capacity	Product Types
1- Koepfer 153 CNC	150mm max diameter	External, Helical, Worm Wheel & Crown
1- Genertron CNC	400mm max diameter	External & Internal
1 - Sykes V10B CNC (NMT)	250mm max diameter	External & Internal
2 - Sykes V10B PLC	250mm max diameter	External & Internal
1 - Sykes V10B Rack Cutter	600mm long	Racks
1 - Turbo Gear TG400	400mm max diameter	External & Internal
1 - Sykes V6	150mm max diameter	External & Internal
1 - Dowding & Doll V10	250mm max diameter	External & Crown
1 - Pfauter 250S	250mm max diameter	External
1 - Koepfer 150	145mm max diameter	External & Worm Wheels
2 - Sykes H150	150mm max diameter	External
1 - Mikron 122	40mm max diameter	External & Helical
4 - Mikron 132	100mm max diameter	External
3 - Mikron 79	40mm max diameter	External
1 - Gleason G3W-775C	75mm (3" Capacity)	Small Bevel Gears

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Grinding / Abrasive Machining	Capacity	Configuration or Process
1 - Jones & Shipman CNC Format 15	250mm diameter	Universal
1 - Jones & Shipman 1310	250mm diameter	Universal
2 - Myford MG12	125mm diameter	Internal / External
1 - Matrix No 37	--	Screw Thread Grinding
1 - Matrix No 46	--	Worm & Thread Grinding
1 - Special Purpose	--	Miniature Thread Grinding
1 - Studer RM250	--	Miniature External & Face Grinding
1 - Jung D14	--	Internal and Face grinding
1 - Jones & Shipman 540P	--	Surface Grinding & Diaform
1 - Delapena Hone	--	Bore Honing Machine
1 - Lapmaster	--	Rotary Lapping Machine

Conventional Lathes Mills etc	Capacity	Configuration or Process
1 - Bridgeport Turret Mill	--	Universal Mill with Slotting Attachment. DRO
1 - Cazeneuve 360HB	350mm max diameter	Medium Sized Manual Centre Lathe
1 - Myford Super 7	--	Small Manual Centre Lathe
2 - Hardinge HSL 5-9	125mm max diameter	Small Second Operation Lathes
1 - Feeler FHR68	125mm max diameter	Precision Turret Lathe with DRO
1 - Schaublin 70	70mm max diameter	Precision Instrument Maker's Lathe
1 - Linear CT318e	150mm max diameter	Precision Toolroom Lathe

Supporting Equipment		Configuration or Process
SIC C151 CNC Part Marking	--	4 Axis. Universal Vibro Etch Part Marking Machine
Prosaw BS-250HAS	250mm max diameter	Automatic Horizontal Band Saw
Prosaw STG 230	230mm max diameter	Horizontal Band Saw
Startrite 316	--	Vertical Band Saw
Vapormate	--	Vapour Blasting
Drilling Machines	--	Drill Jig Work & Deburring
Assembly Presses	--	Light Assembly Work
Tool & Cutter Grinders	--	For Gear Shaping and Hobbing Cutters
Lapointe Broach	5 Tonne by 48" Length	Horizontal Broaching Machine
Guyson Abrasive Blast	--	Abrasive Blasting Machine
2 - Sharmic VRM123	--	Automatic Vibratory Finishing Machines
Metaetch ME3000T chemical part marking machine		Etch identity no. into component for traceability
Carbolite Oven PF60	240V – 1 phase	For curing adhesives, includes data recording

Inspection		
Gleason 300 GMS	300 x 500 mm	Gear Measuring
Gleason Microtop	180 x 400 mm	Gear Measuring
CMM Aberlink Axiom	X-640 Y-900 Z-500	Linear Measuring
CMM MicroVu Optical & Probe CNC Measuring	X-250 Y-160 Z-160	Linear Measuring
CMM Brown & Sharpe Validator	X-400 Y-400 Z-300	Linear Measuring