

Manufacturing Capabilities

PPG's production floor is equipped with 14 CNC machines, with Turning, Milling, Gear cutting and Grinding capabilities. In addition, we have a host of other equipment allowing us to perform a wide array of machining tasks. Incorporating our Design, Engineering & sub-contractor services we have the ability to complete a wide range of projects from inception to completion.

The extensive list of specialised machinery provides PPG with a diverse range of precision machining services, within a $\pm 0.02\text{mm}$ tolerance.

Machining	Turning
<p>Mazak Integrex I-200s CNC 5 Axis – Multi Tasking Machine Diameter: 220mm Length: 1000mm Travel: X = 615mm, Y = 250mm, Z = 1000mm, W = 1000mm</p>	<p>Mazak Quickturn Smart 250MA CNC Turning Centre Diameter: 250mm Length: 1025mm Travel: X = 225mm, Z = 1125mm</p>
<p>DMG MORI DMU75 monoBLOCK CNC 5 axis Machining Centre Table: 800 x 650mm Travel: 750 x 650 x 560mm</p>	<p>Mazak Quickturn Smart 200 CNC Turning Centre Diameter: 180mm Length: 541mm Travel: X = 195mm, Z = 560mm</p>
<p>Hartford Omnis 1020 CNC 4 axis Machining Centre Table: 1200 x 570mm Travel: X = 1020mm Y = 510mm Z = 630mm, W = 150mm</p>	<p>Mazak Multiplex 620 CNC Lathe Diameter: 150mm Length: 100mm</p>
<p>Mori Seiki MV Junior 498 (2 off) CNC 3 Axis Machining Centre Table: 900 x 410mm Travel: 550 x 400 x 460mm</p>	<p>Mazak Super Quickturn 18M CNC Lathe Diameter: 250mm Length: 500mm</p>

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Gear cutting	Grinding +
<p>Gleason GP200S CNC Gear Shaping Machine Diameter: 300mm Stroke: 110mm</p>	<p>Shigiya GPL-30 CNC Cylindrical Grinder Diameter: 300mm Distance between centres: 1000mm</p>
<p>Siewa SX25 CNC 5 axis Gear Hobbing Machine Diameter: 250mm Stroke: 300mm Module: M6</p>	<p>Shigiya GAC-30 CNC Angular Cylindrical Grinder Diameter: 300mm Distance between centres: 400mm</p>
<p>Siewa SX15 CNC 5 axis Gear Hobbing Machine Diameter: 150mm Stroke: 300mm Module: M4</p>	<p>Izumi KN-113A CNC Cylindrical Grinder Diameter: 150mm Distance between centres: 500mm</p>
<p>Fellows 6A Type Gear Shaper Gear Shaping Machine Diameter: 200mm Stroke: 127mm Module: 0.9 – 4M</p>	<p>ELB Schliff RS-500 surface Grinder Flat Grinder Table Size: 500 x 200mm Travel: 430 x 170mm</p>
<p>Fellows Internal Gear Shaper Gear Shaping Machine Diameter: 200mm Stroke: 127mm Module: 0.9 – 4M</p>	<p>Eitel KP60 Straightening Press Travel: 700mm</p>
	<p>Sweco Vibro Energy Finishing Mill Performing Deburring & Polishing applications</p>

Additional equipment	Services
<p>Manual Equipment</p> <ul style="list-style-type: none"> 1x Mill 2x Lathes 2x Bench Grinders 1x Hob Grinder 1x Drill Press 2x Band Saws 1x Straightening Press 1x Tig Welder 	<p>CAD & CAM Software</p> <ul style="list-style-type: none"> Cadkey Solidworks - 2 licenses incl. Simulation Gearcad HyperMILL - 2 licenses incl. 5-axis simultaneous <p>Supplier Services</p> <ul style="list-style-type: none"> Heat Treatment Anodising