

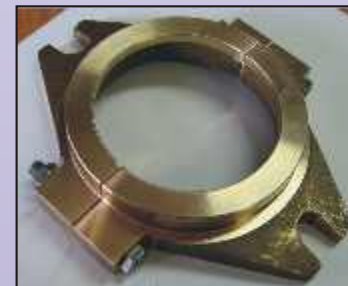


Xmeco (Pty) LTD.

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XMECO

**Engineering
Design**

**Non-Ferrous
Foundry**

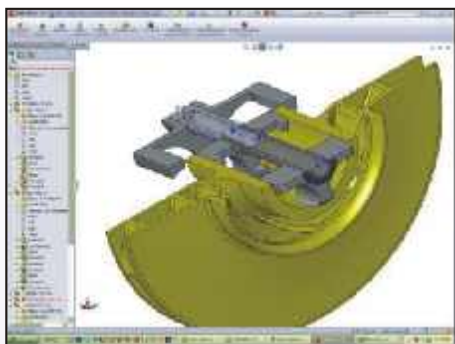
**Machine
Shop**

**Product
Assembly**

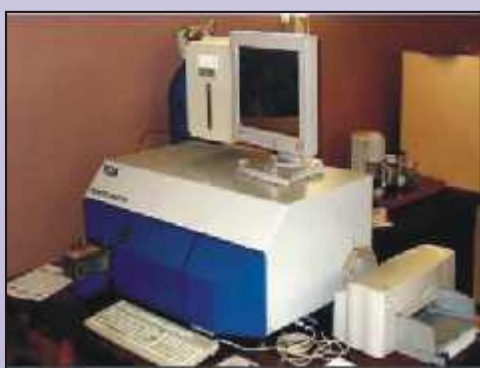


Summary

Xmeco (Pty) Ltd is an ISO 9001 accredited company that has been in business since 1951. Xmeco is situated in a 6500m² facility that consists of a CNC and manual machine shop as well as a non-ferrous foundry that specializes in aluminium and copper based alloys, Xmeco also offers 3D CAD and 3D CAM Facilities.



Engineering Design	
CAD	Utilizing Solidworks (CAD) and Catia (CAD/CAM) our designs and processes are optimized to ensure reduced design times and ultimately, reduced costs to the customer. Our designers have access to comprehensive FEA (Finite Element Analysis), which ensures optimized designs.
CAM	Pattern and finished part tool paths can be generated using prismatic as well as 3-axis surface machining (copy milling).
Foundry Facility -2500m²	
Pattern	In-house pattern design and manufacturing can be done in our pattern shop, We are also able to make use of our CNC machines for complex pattern making.
Moulding	Our moulding production line is capable of making up to 270 moulds per shift.
Melting	Aluminium based alloys
	Copper based alloys
	Melting in aluminium is from 50kg up to 1300kg. Melting in copper is from 150kg up to 1800kg
Casting	Our typical casting size is up to 200kg, but we can offer castings as large as 750 kg.
Materials	Xmeco specializes in aluminium and copper based alloy castings (Non-Ferrous)
Laboratory	In our laboratory we are able to analyze material specifications using a spectrometer, ensuring that the correct material grade and hardness is achieved.
Heat Treatment	Our heat treatment and quenching facility allows us to meet most of the metal treatment specifications of various aluminium and copper based alloys.
Quality	The Company is ISO 9001:2000 rated and as such have implemented various systems to ensure that our customers receive optimum quality parts and components.



Machine Shop - 2800m²						
In addition to our foundry capability we have a substantial machine shop boasting CNC milling, turning machines ranging up to 4 axis. Our conventional machine shop has both Milling & Lathe machines as well as Gundrill, Press & Pipe bending machines. Our machine capacities are detailed below:						
CNC Machining Facility - 900m²						
Milling						
C-Rotation	X-Travel	Z-Travel	Y-Travel	Table Size	Max Tools	Axis
360°	1500	600	740	1650 x 650	32	4
360°	1900	500	1100	1800 x 1120	32	4
360°	2030	504	1140	2000 x 1100	23	4
N/A	900	450	580	1100 x 470	16	3
N/A	900	450	580	1100 x 470	16	3
Turning						
X-Travel	Z-Travel	Y-Travel	Spindle Bore	Max Tools	Max Length/Work piece	Axis
200	350	500	40	12	470	3
400	1400		68	10	1250	2
320	120		40	8	120	2
Manual Machining Facility - 1800m²						
Manual Lathes						
Swing over bed	Swing over cross slide	Swing in gap	Max centre dist	Spindle bore	DRO	QTY
400	220	630	1000	82	YES	5
390	240	580	1250	58	YES	1
500	260	N/A	2000	84	YES	1
700	300	N/A	3000	84	YES	1
Manual Milling Machines						
X - Axis travel	Y - Axis travel	Table size	Z - Axis travel		DRO	QTY
762	406	1065x228	620		YES	9
800	370	1200x250	750		YES	5
Other						
Bending Machines - Solid bar up to 70mm						
Gun drills - Ø 20mm up to 1,200mm length						

