

AJW[®]TECHNIQUE

Machining Capabilities



Turning
& Milling

Jig Boring

Precision
Honing

Surface
Grinding

Hydraulic &
Manual Press

Paint / Chemical
Conversion
Coating

Our small and flexible conventional machining facility is ideally suited to single piece and small batch production, piece part repair, rapid prototyping and tooling and fixture fabrication.

The machining experts

Our team of highly experienced machinists are ready to help solve your immediate needs. We specialise in offering short leadtimes to meet urgent deadlines and work within your time constraints.

Our extensive machining capabilities include turning, milling, jig boring, precision honing, surface grinding, and drilling. These services are complemented with facilities for press fitting (hot/cold), chemical conversion coating, stress relieving and thread repairs.

We also provide cleaning facilities (aqueous and caustic), plastic bead blast and a full in-house paint facility, all supported by a network of local vendors for support processes including; NDT, plating and heat treatment.

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Machining Capabilities

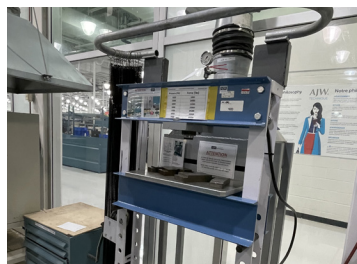
Whether you are looking for a one-off service or small batch manufacturing, AJW Technique is perfectly placed to deliver impeccably manufactured components to your exact specifications. As a full-service aeronautical component MRO, our flexible setup enables us to offer bespoke machining solutions and a rapid response time to meet all your urgent requirements.

The high precision machining experts

Our highly-trained team of Machining Technicians have on average more than 20 years' experience in small batch fabrication and detailed component production/repair and have extensive experience machining a range of materials including stainless steel, aluminium and various alloys as well as carbon bushings and even plastics for rapid prototyping and experimentation. In all cases, you are ensured flawless quality and the most impeccable safety and quality standards.



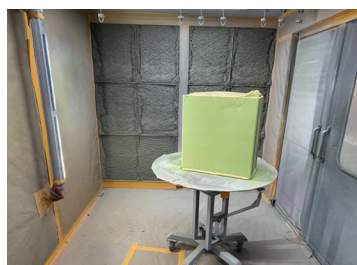
Jig Boring - Swiss made Dixi



Hydraulic Press



Milling Machine



In-house painting

Contact AJW Technique

For more information about our machining services or to discuss how we can drive down your costs.

sales.technique@ajw-group.com
+1 514 339 5100

Our Machining Services:

Our flexible, conventional machine shop facilities cover all the basic machining processes, enabling us to produce high complexity detailed parts to the highest of tolerances on a single piece or small batch basis. We also have on-site chemical conversion coating and paint facilities to complete the process.



Turning and Milling

AJW Technique has several conventional lathes, milling and drilling machines capable of handling parts up to 18" in diameter and 4' long or a milling envelope of 4' x 3' x 2' and are able to achieve tolerances as low as 0.0005", more than sufficient for the vast majority of applications.



Jig Boring

AJW Technique's Swiss made Dixi horizontal jig boring machine is able to respect the finest tolerances (to 0.0005") on bores within larger components including flanges and housings, over an envelope up to 6' x 4' x 3'.



Precision Honing

Our Sunnen manual honing machine is used to establish the tightest of tolerances (as low as 0.0001") on piston bores, necessary to support the housing bores and rotor assemblies used on hydraulic and fuel piston pumps, and is easily adaptable to support any tight tolerance requirements.



Surface Grinding

Surface grinding capability complements our milling processes, and enables the achievement of fine surface finishes and dimensional tolerances of 0.0005" for parts within an envelope of 16" x 8" x 12".



Hydraulic & Manual Press

With our hydraulic and manual presses, we are able to complete sub-assemblies with the installation of press-fit bushings, with the added option of heat/freeze capability when required for interference fit.



Paint / Chemical Conversion Coating

With flexible spray paint booths (and an envelope of 4" x 4" x 4") we are able to finalise parts with a variety of paint standards to meet your colour and protection specifications, and for alloy parts we have on-site brush chemical conversion coating capability. More comprehensive plating, anodising and heat treatment process are available using our extensive network of local vendors.



Transforming aviation efficiency

AJW Group is a world-leading independent specialist in aircraft component parts, repair and supply chain solutions, supporting over 1000 airlines across 100 countries. The company has established mutually beneficial, trusted partnerships to transform aviation efficiency, utilising its extensive vendor supply chain to lead the industry, increasing efficiency and customer value.

AJW has dedicated sales and service teams located worldwide, with global stock locations, operational hubs and offices across Africa, Asia Pacific, China, CIS, Europe, Latin America, Middle East, and North America with AJW Technique, its state-of-the-art maintenance facility based in Montreal.

Find out more...

Contact AJW Technique for more information about our machining services or to discuss how we can drive down your costs.

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