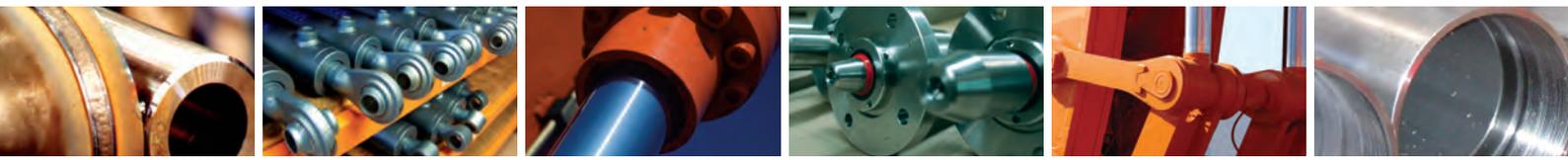




# Machining



INNOVATION | QUALITY | DELIVERY



## Component and specialist machining services

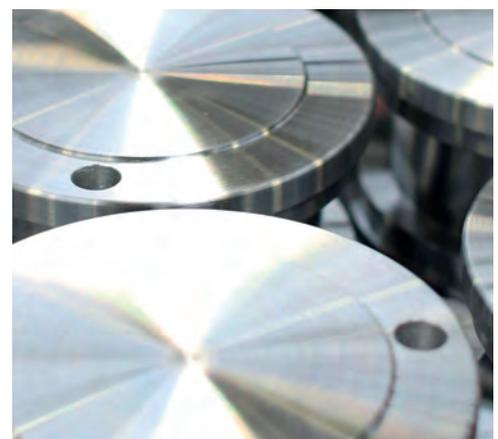


As a leading supplier of high quality hydraulic cylinders to the global market, Victor has extended its operations to include diverse component and specialist machining capability.

This enables us to ensure our own products continue to be manufactured to the highest standards. It also means we are able to provide a comprehensive and cost-effective range of services to other companies looking to outsource component and specialist machining requirements.

Through significant investment in high technology machining equipment, we are able to deliver large scale boring, tube bending and deep hole drilling from a dedicated, purpose-built machining facility.

This range of specialised services enables us to support a more diverse range of sectors, including aerospace, agriculture, construction, container handling, power generation, general engineering, forestry, marine, materials handling, mining, transportation, oil and gas, and waste management industries.



All of these market sectors are underpinned by requirements for safety, reliability and performance. At Victor, we have the systems and processes in place to deliver on these key requirements.



## Capability

### CNC lathes 2-axis

- ▶ Maximum 110mm spindle bore
- ▶ Maximum swing: 700mm
- ▶ 1750mm between centres

### CNC vertical machining centres

- ▶ 4-axis simultaneous machining
- ▶ Gear-driven for heavy duty machining

### Honing

- ▶ Boring capacity: 38.1mm to 450mm
- ▶ Maximum length: 4m (8m end-to-end)

### Horizontal machining centre / borer

- ▶ 4-axis machining
- ▶ Work piece measurement
- ▶ Travel X3000mm, Y2000mm, Z1400mm

### Deep hole drilling

- ▶ BTA drilling
- ▶ Drilling capacity: 14mm to 80mm diameter
- ▶ Maximum length: 3.9m

### Gun drilling

- ▶ Drilling capacity: 8mm to 30mm diameter
- ▶ Maximum length: 8m

### Tube bending

- ▶ Full CNC 2 stack tube bending
- ▶ Bending capacity: 5mm to 38.1mm



With the support of our flagship production facility, we are able to offer additional finishing services. To ensure a superior end product, we can also provide a high quality paint finish through the recent installation of an automated paint mixing room, spray booth and drying oven for the electrostatic application of two pot epoxy paint finishes.

If you are looking to outsource your component and machining requirements, contact the Victor team today to discuss how this new technology can add value to your supply chain.



**At Victor, we're setting the industry standard through innovative design and technology, internationally recognised quality and customised service delivery.**

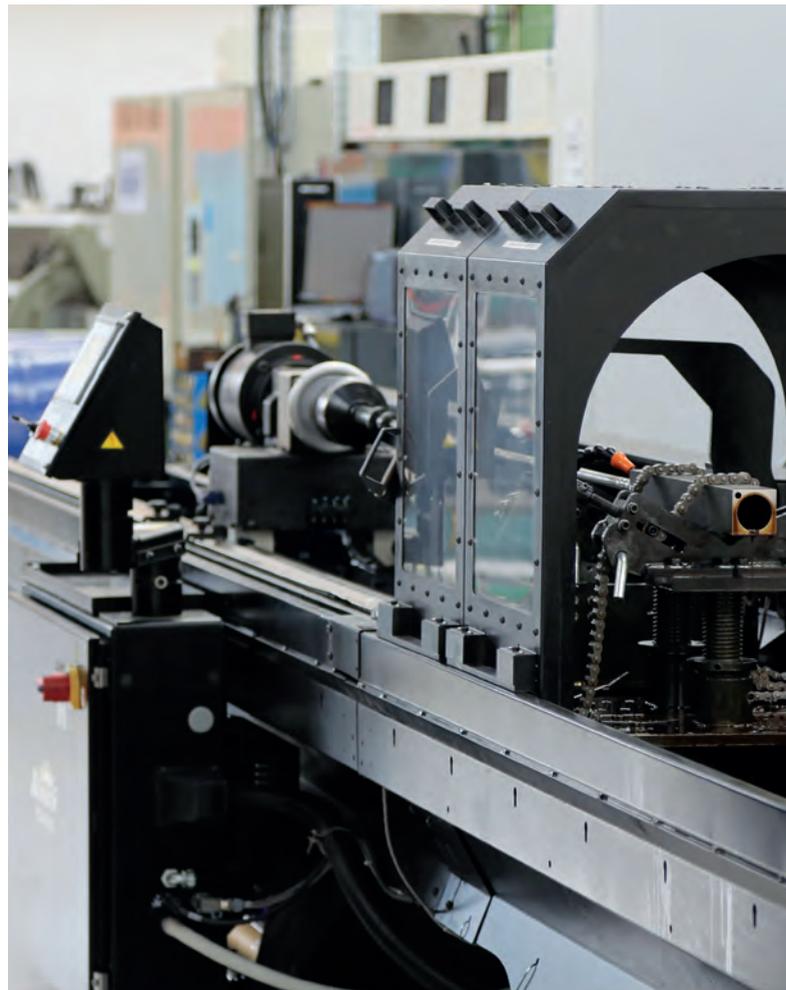
## Design and engineering services

To support a diverse range of applications and market sectors, Victor has an expert in-house design and engineering team, with the technical ability and technology to deliver customised, innovative solutions.

With full in-house analytical capacity, we can provide 3D modelling, finite element analysis, mathematical CAD and CAM utilising GibbsCAM software, and stress and fatigue life predictions. In addition, we specialise in mechanical product design and analysis, and product documentation – including purchase specifications and maintenance specifications.

To support the new machining technology, we have implemented our own innovative ERP software, developed in-house. In combination with modern manufacturing methods and established standard operating procedures, including workflow and production planning, this enables us to deliver a tailored supply solution. We can also manipulate tooling and fixture design to deliver customised manufacturing for one-off projects.

Victor specialises in collaborative engineering. Working alongside your product and development team, we can build an understanding of key areas of performance and how these can be significantly improved through the development of technology. We can then provide input at any level of your operations, from concept to product release, or any part of the process.





BUILDING ON A 60-YEAR TRADITION OF INNOVATION, QUALITY AND DELIVERY



## About us

**Victor Machining is the latest addition to the Victor Hydraulics operation.**

Established over 60 years ago, Victor Hydraulics is the principal manufacturer of hydraulic cylinders in New Zealand, and a key supplier to the New Zealand, Australian and global markets.

To ensure we remain at the forefront of our industry, we are firmly committed to a programme of continual product and process improvement. As part of this commitment, we have achieved a number of international benchmark standards.

We were the first manufacturer in New Zealand to achieve the stringent John Deere JDS-G223 quality standard, which champions customer service, design, quality, cost and on-time delivery. We have also achieved Key supplier status in John Deere Achieving Excellence Programme, as part of our decade-long partnership with Waratah.

We are currently the only hydraulic cylinder business in Australasia to achieve ISO 9001 accreditation for the design, manufacture and supply of hydraulic cylinders.

With a proud health and safety record, we have also achieved AS/NZS 4801 and BS OHSAS 18001 for the management of Occupational Health and Safety for the design, manufacture and supply of hydraulic cylinders.

As well as significant plant development, we invest strongly in our staff, including multi-discipline training, health and safety, and professional development. Located in Christchurch, Victor employs over 80 staff with diverse skill sets across two manufacturing sites.

We believe in setting the benchmark high and then aiming even higher. This enables us to offer a greater range of services and support, while ensuring the same high level of service, and consistency of quality and supply Victor is known for.



Contact the Victor team to discuss how  
we can add value to your business.



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