

Advantages of University Machine Services

- Conveniently located on UWO campus.
- Experience: with over 150 years of combined experience in manufacturing and design, University Machine Services assures the best solutions and highest quality product will be met.
- Innovation: we strive to stay aware of new developments in technology and manufacturing to meet the ever-changing needs of our clients and customers.
- Service: a customer-first service that seeks to provide timely cost effective solutions. We work closely with our clients to ensure best value is met at all times.
- For our UWO community we bill internally, therefore no purchase orders to approve or invoices to pay.
- We stand behind our estimates!



Services Offered

Product Development
Welding and Fabrication
CNC Machining 4-axis capable
General Manufacturing
3D Modelling and CAD Design
Rapid Prototyping
Prototype Building
Models and Instrument Making
Plastics and Wood Fabrication
Carbon Fibre lay-ups and curing
Vacuum Forming
On-site Service
TSSA certified, Pressure Piping
Controlled Goods Certified

University Machine Services

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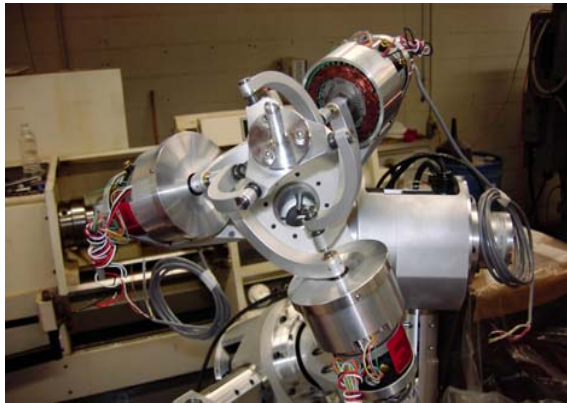
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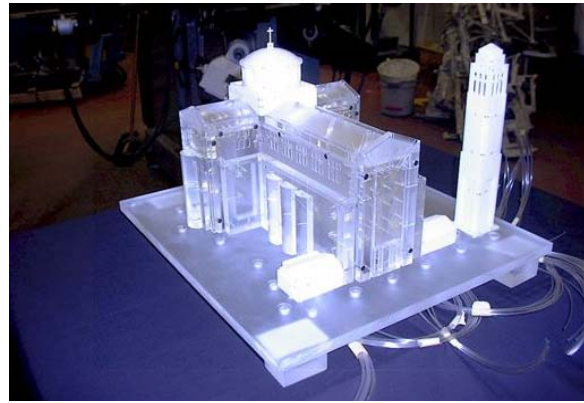
University Machine Services is an ancillary unit of the University of Western Ontario. Our mission is to provide industry leading manufacturing, design and prototypes to all of our clients.



*The University of
Western Ontario*



Agile Wrist Robot: Designed under the supervision of Dr. Rajni Patel, Distinguished University Professor and Tier 1 Canada Research Chair in Advanced Robotics and Control. This robot is an example of the fine and accurate manufacturing capabilities of University Machine Services.



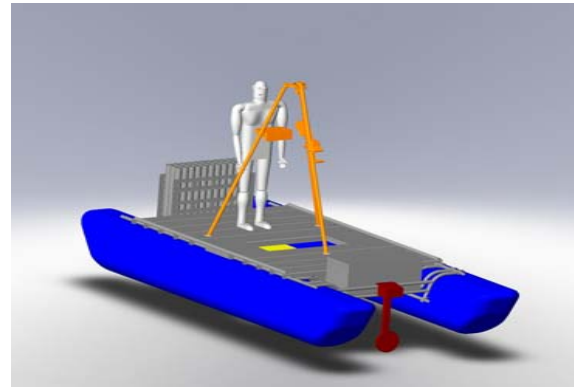
A complete pressure model made for the Boundary Layer Wind Tunnel Laboratory for testing wind effects on buildings. This model was designed and CNC machined from solid acrylic at 1:400 scale completely in-house. These highly accurate models are used in the wind tunnel to measure pressure loads in pre determined areas. The findings from these test alert engineers to problem areas long before construction begins.



CREC Riser Simulator allows for the development of new catalysts for the cracking and reforming of diverse hydrocarbon feed stocks which is a major breakthrough for the manufacture of clean fuels. Professor Hugo De Lasa heads the CREC research and consulting laboratory that develops new reactor technologies in close collaboration with the industrial sector. Ten CREC Riser Simulators are used across the world today.



Dip Apparatus was designed for the department of dentistry. The dip apparatus sweeps from one side to the other dipping it's sample in various environments for repetitive heat cycle testing. With variable cycle and dwell times, this unit was designed to run forever. We ran 50,000 cycles here in our shop before delivery.



Floating Work Platform was designed for Professor Katrina Moser of Western's Geography Department. This platform was designed specifically for her research needs. From the hide-away tripod for ancient lake bed coring to the raft's ability to pack-up into several small packages for horse or pack mule transport to remote and delicate areas up north. This raft also integrated all the researcher's special geophysical survey equipment. The ship departed on her maiden voyage at Fanshawe Lake in Sept., 2009.



UMS has been serving Western's scientific & research communities since 1973. Our core service is cost effective solutions. From platinum standard medical devices to saw cut wood fixtures, keeping your research moving with best value is our top priority. Our staff can build what you ask for or help brainstorm solutions for your unique research or teaching challenges. Our diverse collection of tools and machinery allow us to think outside the box and combine various disciplines to suit your needs.