



NU-TECH
Precision Metals



design by tubman.ca



Please contact us to discuss your custom extruded shapes and seamless pipe requirements. We specialize in the custom extrusion of all grades of titanium including 6Al-4V, Zirconium, Copper Alloys, Aluminum Alloys, Niobium, Carbon Steel and Stainless Steel. We also produce clad metals using two or more different materials.



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Seamless Pipe, Tube and Fittings

Seamless Pipe, Tube and Fittings

Nu-Tech Precision Metals is a major manufacturer of seamless pipe, fittings, tube, shapes, bar and wire in a wide variety of metals and alloys.

Since 1955, we have gained worldwide recognition as a trusted manufacturer of specialty metal extrusions, fabricated parts and welded components.

We manufacture quantities for production runs, small runs and prototype and development orders for a wide variety of markets including:

- nuclear
- aerospace
- medical
- water treatment
- chemical
- military
- mining
- offshore / subsea
- metal sputtering
- marine

We also produce bi-metal and tri-metal co-extrusions such as titanium clad copper and platinum clad titanium for corrosive environments.

Please contact us to discuss your unique needs.

Forming Operations

Nu-Tech operates one of the world's largest extrusion presses used to manufacture custom piping.

This massive equipment allows us to produce custom pipe and tube ranging from 1.5" O.D. to 14" O.D., in virtually all schedules.

In-house forming operations allow us to manufacture custom elbows. These elbows are generally made from our extruded seamless pipe and compliment our pipe production.

Our in-house inventory of titanium and zirconium, together with our machining capabilities support the manufacture of reducers, tees and weldolets.



Pipe Finishing

Our 500 Ton draw bench is used to improve O.D., I.D. and wall thickness tolerances as well as strengthen certain grades of materials.

One of our specialties is in supplying defect-free pipe to exceedingly tight tolerances. Pipe finishing is accomplished by centerless grinding outside diameters and honing inside diameters.

In addition, we machine our products to produce pipe or hollows with exact wall thicknesses. Applications include sub-sea pressure housings and desalination pressure vessels.

Additional machining capabilities include threading and weld preparation.

Our large pickling facility produces a bright pickling finish on reactive metals. It is also used to chemically machine products that require extremely tight tolerances.



Custom & Standard Pipe Schedules

Nominal O.D.	10	20	40	80	120	160	XXS
1.5"							
2"							
3"							
4"							
5"							
6"							
8"							
10"							
12"							
14"							

Plus all custom diameters and wall thicknesses to suit your exacting specifications.

**Our
Production
Capability
Range**

Available Materials and Alloys

	Commercially Pure	Alloys
Titanium	Grades 1, 2, 3, 7 & 12	Grade 5 - 6 Al - 4 V, Grade 23 - 6 Al - 4 V - ELI, Grade 9 - 3 Al - 2.5 V, 6-6-2 & 6-2-4-6
Niobium	99.0% & 99.9%	
Aluminum	99.9%, 99.99% & 99.999%	6061, 6063
Zirconium	99.9% & 99.99%	Zr 2, Zr 4, Zr 2.5 Nb & Zr 702
Copper	C102, C110 & RRR	Be - Cu, Monel - 400, 90 - 10, 70 - 30 & Bronzes
Nickel		200 & 600
Steel	Carbon & Stainless to ASME & AMS Specs	

Product Quality

Our on-site staff includes Metallurgical and Mechanical Engineers, Designers and Quality professionals well-versed in manufacturing products in accordance with ASME, ASTM, TUV or AMS specifications.

In-house testing capabilities include chemical, mechanical, micro structural, hydrostatic, bend, flare and flattening tests. Continuous pipe measurement is offered using laser, electronic and ultrasonic gauging. Design registration and burst testing are available.

Our Canadian government registered NDE technicians perform the following non-destructive tests: ultrasonic, eddy current, liquid penetrant, magnetic particle testing and radiography.

**Pipe Diameters from 1.5" to 14",
Pipe Schedules from 5 to XXS plus
specialty sizes and wall
thicknesses to suit your
specifications.**

