



**YOUR FABRICATOR**  
**TO INFINITY AND BEYOND.**

*Manufactured CHIME telescope at Radio Astrophysical Observatory*



## FULL SERVICE, END TO END MANUFACTURING COMPANY



### Engineering & Design

Waycon provides equipment specific design, reverse engineering, prototyping and manufacturing support, using SOLIDWORKS



### Manufacturing

Waycon cuts, machines, forms, fabricates, welds, sandblasts and paints, installs electrical, automates, cools (HVAC), assembles, installs, starts up, and more.



### Welding & Fabrication

Waycon works with carbon and stainless steels, aluminum and many other metals and materials.

Certified to CSA standards

W47.1, W47.2;

AWS standards

WM2-1.1, WM2-1.2.



### CNC Machining

Most of our manufacturing tools are computer numerical controlled: Waycon utilizes Mastercam software for our extensive tooling, CNC lathes, CNC milling, CNC horizontal 4/5 axis boring machining centers.

**PROUDLY CANADIAN**  
**30 YEARS EXPERIENCE**



Manufactured Lime Silo and Discharge Conveyor

Long a leader in innovative design, engineering and industrial manufacturing, Waycon has built an impressive portfolio of projects for our diverse customer base.

Conveniently located in the vibrant Okanagan Valley, British Columbia, we are within striking distance of major markets, industrial centers, mines and a wealth of natural resources.

Our mid-sized factory has the latest equipment, supported by state-of-the-art engineering technology. Together with our teams' extensive design, machining and manufacturing knowledge, we are ready and able to meet our customers' needs for building a broad spectrum of advanced industrial solutions.

# INDUSTRIES WE WORK IN

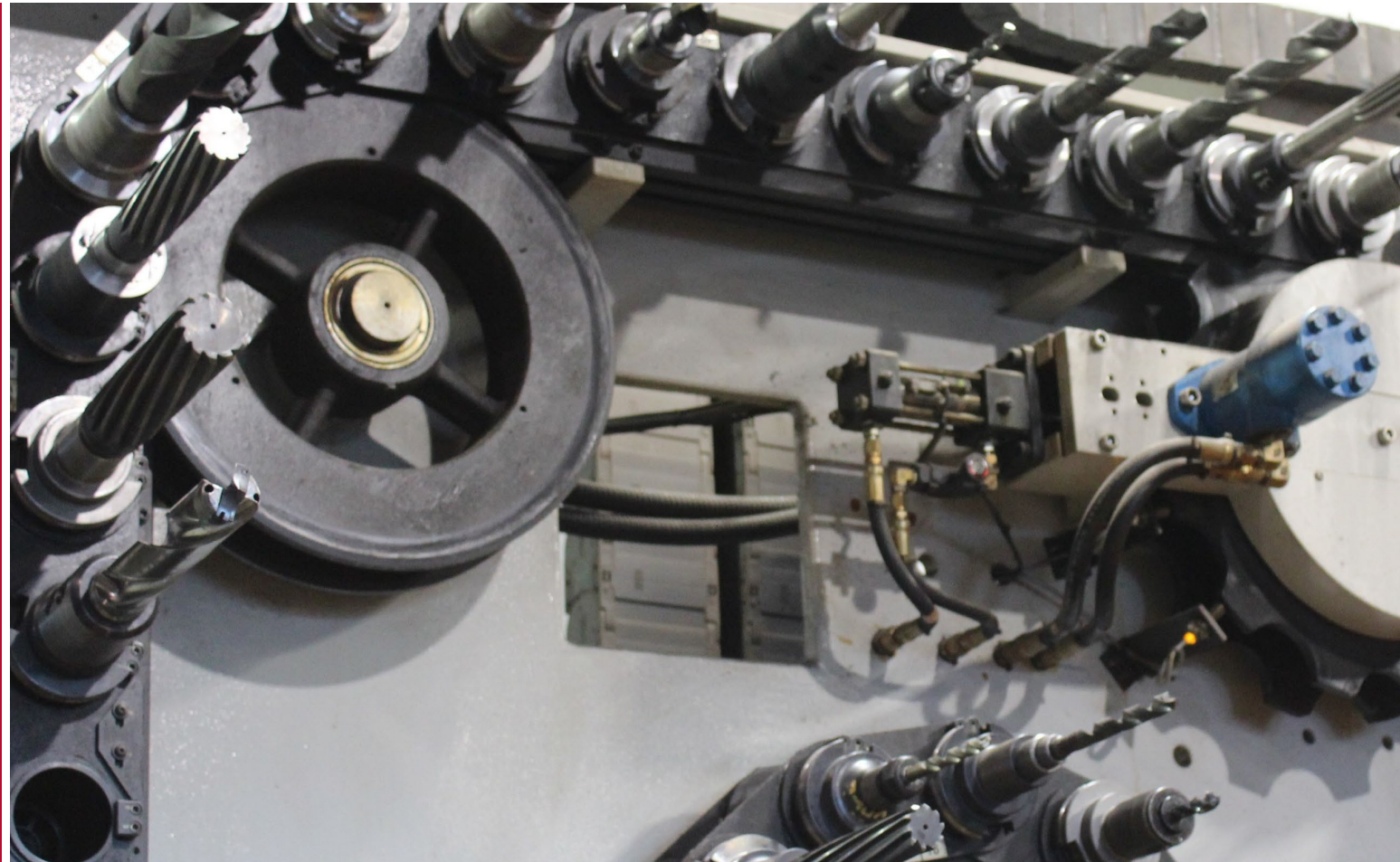


- Forestry & Sawmills
- Pulp & Paper
- Mining, Processing
- Material Handling
- Hydro Power & Transmission
- Renewable Energy
- Agriculture & Food Processing
- Oil, Gas, Refineries & Pipelines
- Industrial Maintenance
- Construction
- Architectural & Miscellaneous

# ONE STOP SHOP CAPABILITIES



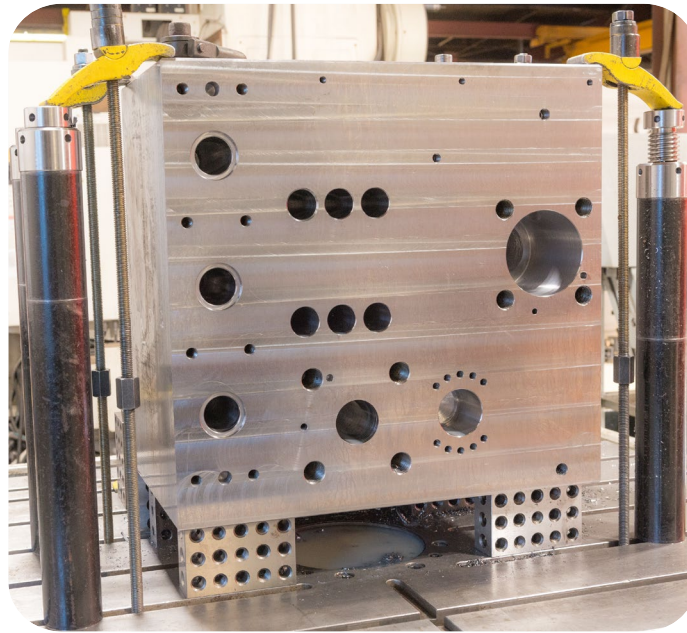
- Engineering & Design
- CNC Plasma Cutting
- Waterjet Cutting
- CNC Machining Lathes, Mills & 4/5 axis boring centers
- Beveling, rolling, brake forming, shearing and sawing
- CWB & AWS certified in flux-core, metal core, MIG, TIG and aluminum
- Separate fabrication areas for carbon steel and stainless and aluminum
- Sandblasting & Paint
- Refrigeration & Cooling
- Electrical & Automation
- Assembly
- Install & Commission
- Procurement & Logistics



# CUTTING & SHEARING EQUIPMENT



CNC Plasma	Max Thickness	Max Width	Notes
STI-200-HDCNC	1.5"	8 ft W x 24 ft L (2 tables)	Our STI 200 HD plasma table uses Burny 10 LCD Plus controls and ProNest. Cuts up to 35 inches per minute on a 1.5 in plate of steel. Averaging 22 ga to 1.5"H however can cut with 2 Oxy-Acetylene Cutting heads cut up to 6". Weight Capacity 10,000 lbs. per table.
Water Jet	Max Thickness	Max Width	Notes
Flow Mach 3 4020B	6"	6 ft W x 12 ft L	High quality, clean cut. Uses garnet abrasive to cut virtually any hard material c/w Flow Master PC Based Controller. Machine dimensions X-Axis 6' / Y-Axis 12' / Z-Axis 6"
Band Saw	Max Thickness	Max Width	Notes
Hydmech S-20A	13"	18"	Automatic bar feed features a swing head design and provides exceptional miter cutting capability for medium to heavy duty applications. Machine Dimensions 93"W x 86"L x 52"H.



## CNC MACHINING



We can handle a vast spectrum of advanced and common CNC machining projects achieving tolerances of +/- .0005 of an inch. The Waycon machine shop includes CNC turning centres, CNC mills and four-Axis and five-Axis boring machines.

# CNC MACHINING EQUIPMENT



Lathes	Travel				Notes
Haas SL-20T	X-Axis Travel 8.45"		Z-Axis Travel 20"		CNC 2 Axis, turning dia 10.3"
Haas SL-30T	X-Axis Travel 11.30"		Z-Axis Travel 34"		CNC 2 Axis, chuck size 10"
Haas TL-3B	X-Axis Travel 16"		Z-Axis Travel 60"		CNC 2 Axis Big Bore
Challenger BNC 1860 Lathe	X-Axis Travel 10"		Z-Axis Travel 65"		CNC 2 Axis
Haas ST-35Y	X-Axis Travel 9.4"	Y-Axis 4"	Z-Axis Travel 32.5"		CNC 3 Axis, Y-axis milling, drilling, and tapping
Mills	Travel				Notes
Haas VF 2B	X-Axis Travel 30	Y-Axis 16"	Z-Axis 20"		CNC 4 Axis, weight capacity 3,000 lbs.
Haas VF5 /50	X-Axis Travel 50"	Y-Axis Travel 26"	Z-Axis Travel 25"		CNC 3 Axis, weight capacity 4,000 lbs.
Haas VF7 / 50	X-Axis Travel 84"	Y-Axis Travel 32"	Z-Axis Travel 30"		CNC 4 Axis, weight capacity 4,000 lbs.
Manford VHG 2200	X-Axis Travel 86.6"	Y-Axis Travel 39.3"	Z-Axis Travel 31.5"		CNC 3 Axis, weight capacity 6,600 lbs.
Horizontal Mills	Travel				Notes
Haas EC 1600 ZT	X-Axis Travel 64"	Y-Axis Travel 50"	Z-Axis Travel 32"		Table 360° CNC 4 Axis, weight capacity 10,000 lbs.
Challenger HBM-4	X-Axis Travel 86.6"	Y-Axis Travel 63"	Z-Axis Travel 63"	W-Axis 21.6"	Table 360° CNC 5 Axis, weight capacity 10,000 lbs.
Haas EC-500 Dual Pallet	X-Axis Travel 32"	Y-Axis Travel 25"	Z-Axis Travel 28"	W-Axis Travel 24"	Table 360° CNC 4 Axis, weight capacity 2,000 lbs.



### MANUAL MACHINING EQUIPMENT

Manual	Travel			Notes
Lathe Modern 560 X 2000	X-Axis Travel 21.5"		Z-Axis Travel 79"	Manual 7-1/2"
Mill Fort Worth VBM-5VL	X-Axis Travel 79"	Y-Axis Travel 24"	Z-Axis Travel 28"	Milling machine 3 Axis

### FORMING EQUIPMENT

Brake Press	Tonne	Table	Notes
Durma AD-R 37175	170 Tonne	12 ft. bed	1/16" radius punch, 3/8" punch, 1/4" punch. Multi-dye set
Durma AD-R 48320	350 Tonne	14 ft. bed	4 Axis. 4", 3", 2 inch and 1.5" openings. Multi-dye set
Accupress	500 Tonne	16 ft. bed	6" V or box opening. Bottom-dye capable of large radius

### WELDING EQUIPMENT

Certification	Welding Process		
CSA W47.1 Fusion Welding of Steel	SMAW 2.0, GMAW 3.0, FCAW 4.0, QT HSLA 5.0	19 Welding Machines	
CSA W47.2 Fusion Welding of Aluminum	GMAW A1	6 Welding Machines	

# LIFTING EQUIPMENT



AREA	LIFTING CAPACITY
Stainless	3 Ton
Plasma Outside	3 Ton
Machine Shop North (Lathe)	1 Ton
Machine Shop (Horizontal)	2 Ton
Machine Shop	1 Ton
Forming Bay	3 Ton
Welding North	2 Ton
Welding South	2 Ton
Fabrication East	5 Ton
Fabrication	5 Ton
Fabrication West	5 Ton
Assembly	3 Ton
Paint	3 Ton
Mobile Crane	400 Ton

# LIME SILO & CONVEYOR - ALASKA

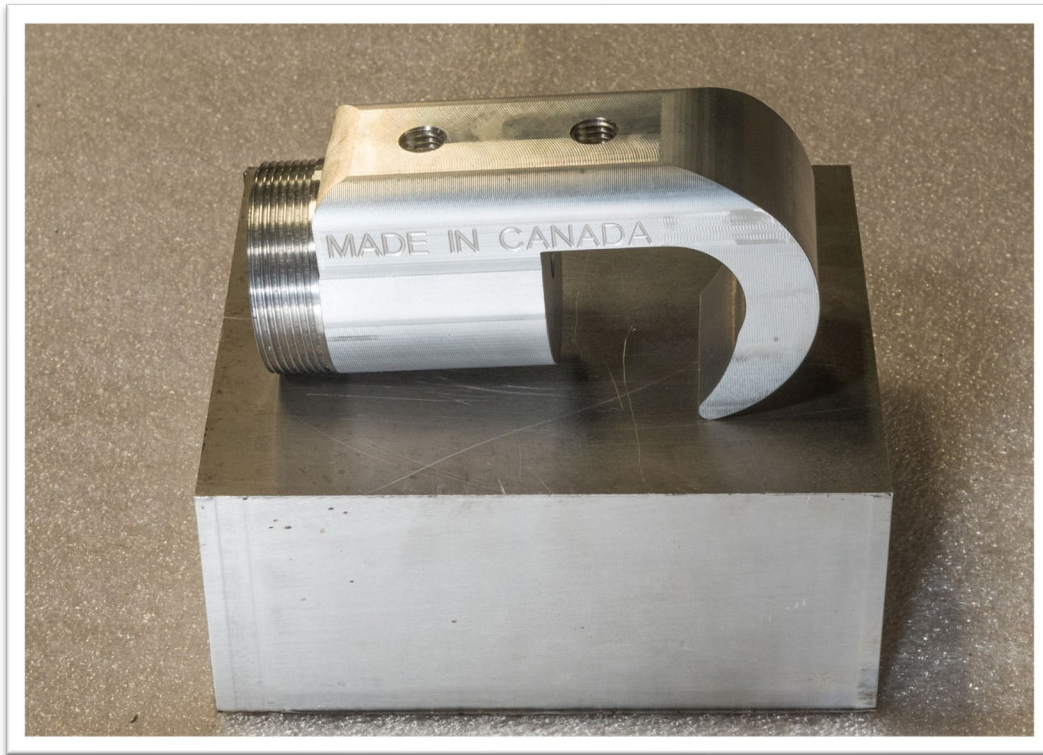


## Scope

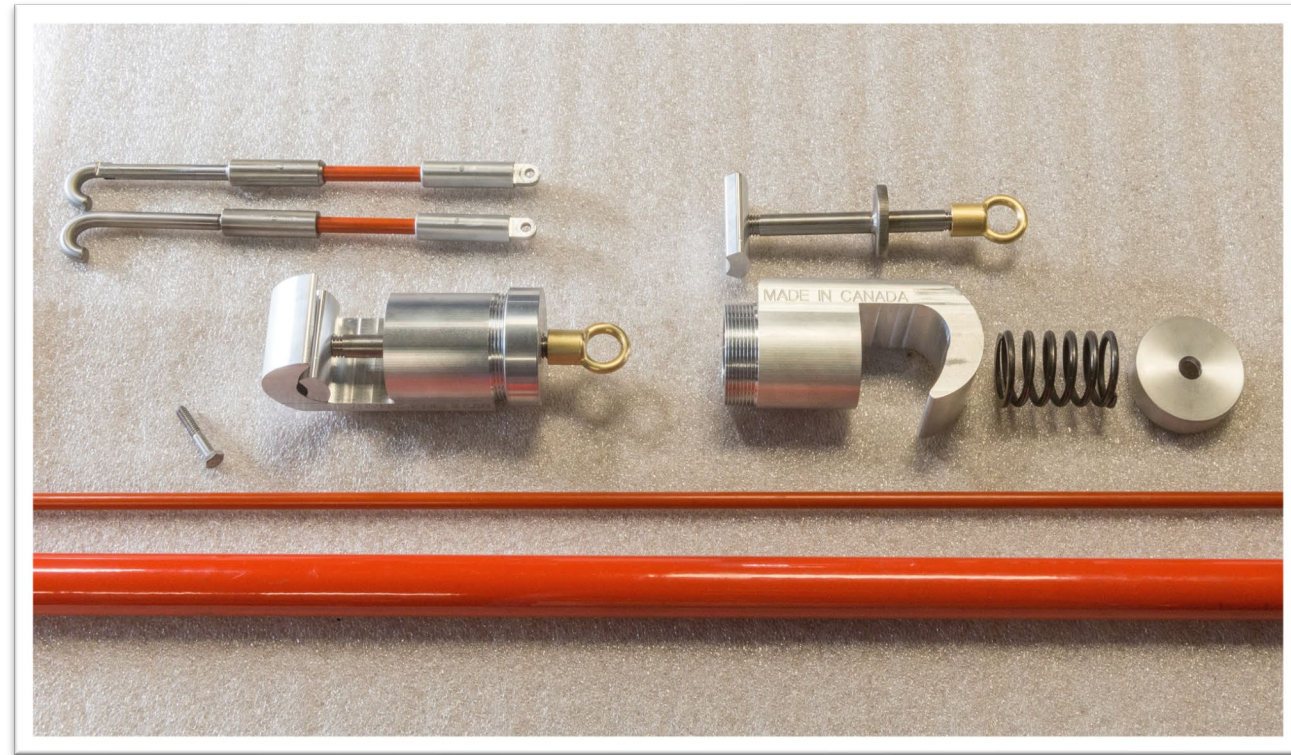
- 12' dia. x 60'-0" High Steel Silo with
- Cone Vibrator and Valve and Load Piping
- 2'-6" wide belt Conveyor x 65'-0" long with
- Walkway, Clamshell Actuator and Conveyor Hoods
- 26'-0" wide x 40'-0" Long Structural
- Base Platform, Seismic Pipe Bracing, Control Booth



# MACHINING PROJECTS



Prototype Parts



Machined Parts

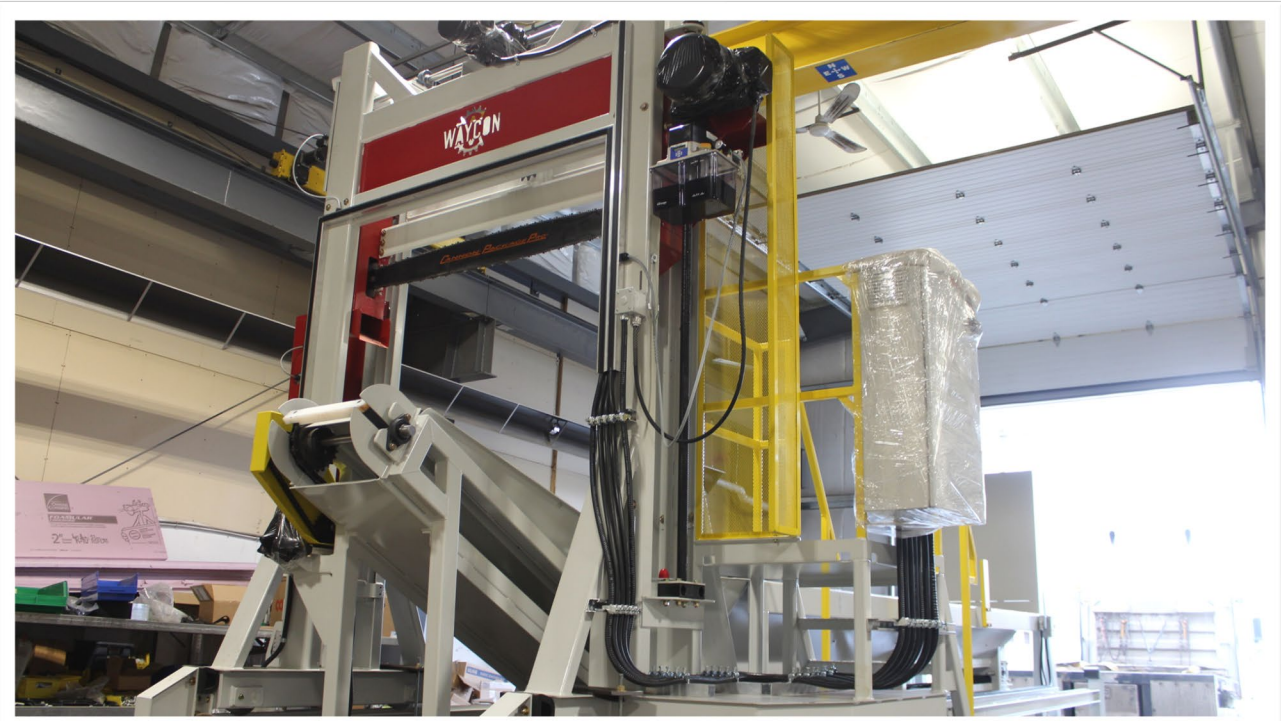
# FORESTRY AND SAWMILL PROJECTS



Wood Processor

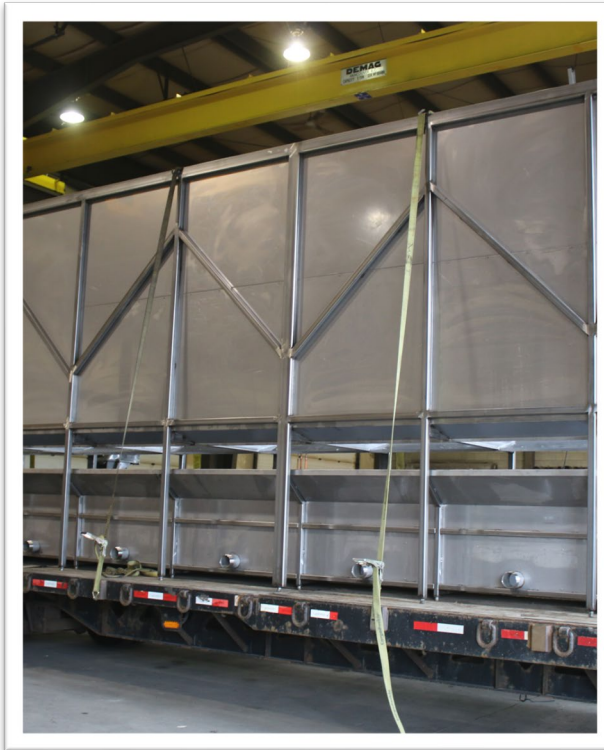


Log Processing Frame



Vertical saw with waste conveyor

# AGRICULTURAL AND FOOD PROCESSING PROJECTS



Process Water Cooling System



In Motion Weigh Conveyor



New cherry plant



New bare frame cherry bin drencher - 22 Tons per hour

# MISCELLANEOUS AND INDUSTRIAL PROJECTS



Material Handling



Industrial Ducting



Jump Roll Cases



Jobsite Toolboxes

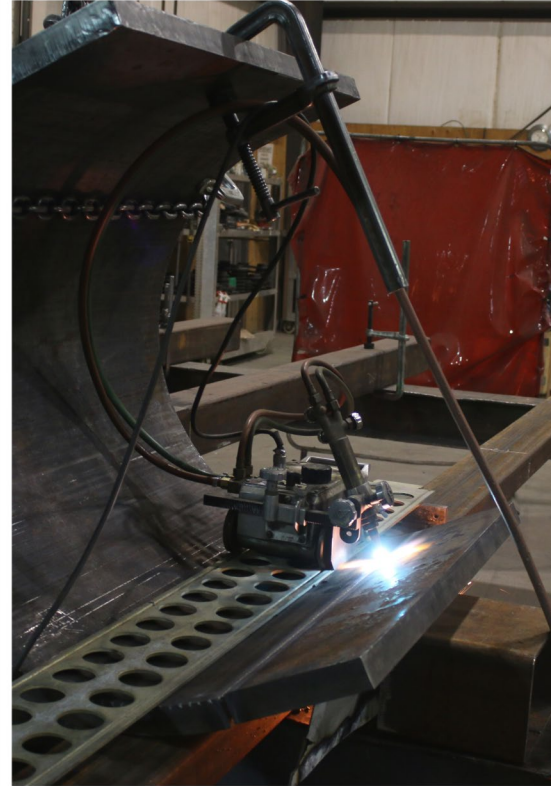
# MISCELLANEOUS AND INDUSTRIAL PROJECTS



Material Handling



Logging Processing Heads



1.5" Plate Cylinder





# MISCELLANEOUS AND INDUSTRIAL PROJECTS



Industrial Construction Parts



6" Aluminum Parts



Forming



Strenx Machined Parts





## HAVE A PROJECT?



Let us have your drawings, specs and special requests, to see how we may assist you with your needs.

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