



R&W METAL

FABRICATING & DESIGN

**INDUSTRY LEADER IN SUPERIOR
METAL FABRICATION AND DESIGN**

OUR CAPABILITIES



WELCOME TO R&W METAL

R&W invests in new technology that aids in precision manufacturing of products, maintaining control of all of the processes in-house. Using this approach there are a wide variety of machines and equipment available to complete your project whether it be a single prototype or mass production of thousands of racks.

Our new 112,000 square foot facility has on-site capabilities ranging from traditional manufacturing methods such as horizontal bandsaws, ironworkers, shear, drill press and more, to precision CNC manufacturing including robotic welding, 2D and 3D laser cutting, multi-axis forming, router and drilling operations.

With the ability to accommodate raw materials up to 50ft in length, plenty of space to store common sizes and multiples grades of HSS tubing, flatbar, roundbar, pipe, angle, hot rolled sheet, aluminum and stainless sheet (and more), R&W Metal is your go-to provider of quality fabricated solutions.



OVER 30 YEARS OF EXPERIENCE

R&W Metal has been partnering with our customers for over 30 years to design and manufacture advanced, innovative and high quality rack solutions within the glass and automotive industries.

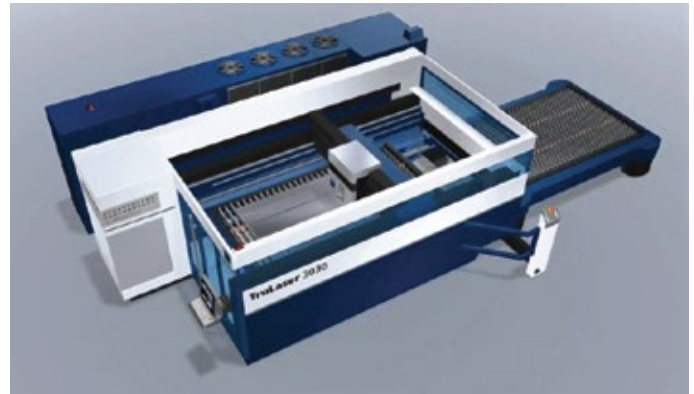
PRECISION IN-HOUSE MANUFACTURING

2D Flat Laser Cutters

Trumpf TruLaser 5030 5kW CO₂

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- Up to 60"x120" surface area
- Carbon/mild steel up to 1 1/4" thick
- Stainless steel up to 1/2" thick
- Aluminum up to 1/2" thick
- Each laser equipped with 2 pallets for maximum efficiency



3D Tube Laser Cutters

Mazak FabriGear 400 MKII 4kW CO₂

Mazak FabriGear 220 MKIII 4kW CO₂

- 6-Axis functionality with automated load/unload functions for parts of all sizes
- Up to 8m (315") long raw materials (tube, pipe, structural channel, angle iron, I-beam, H-beam, custom/user-defined extrusions or profiles)
- Maximum material size - round = 16", square = 12"
- Max weight = 1058#
- Carbon/mild steel up to 3/4" wall thickness
- Stainless steel up to 3/8" wall thickness
- Aluminum up to 3/8" wall thickness



Robotic Welding

ABB 6700 Industrial Robot

- GMAW/MIG welding capabilities
- Two (2) rotating positioners that can handle up to 1000 kgs each
- High volume precision production with long reach



Brake Presses

Trumpf TruBend 3180

- 200 tons of press force and full multi-axis CNC capability for the most intricate parts
- Maximum press length 120"
- Haco ERMS 30135 with 135 tons of press force



Miller Welding Cells

- Up to 32 Weld cells equipped with Miller Deltaweld industry standard manufacturing MIG/GMAW welders
- Full size 1000# weld wire coils for maximum productivity
- Spacious cells with access to jib cranes and/or forklift



CNC Cutter/Router

XYZ CNC5010 Router

- 60"x122" Table Size
- Cuts plastics, foam, aluminum, composites, wood and more
- up to 4"-6" thick capability depending on material



Other Traditional Manufacturing/Fabrication Equipment:

- Hydmech horizontal band saws including angle cut capabilities with capacities up to 18"x18" bundles



- Haco shear



- Piranha ironworkers



- CNC and manual drill presses

In-house Spray Paint Line

- Large-scale, conveyor-driven for products of all sizes and shapes
- Two stage phosphate wash and rinse system with dry-off booth
- Dual paint booths for multi-colour and/or multi-coat requirements
- Heated curing/drying oven provides assembly-ready product off the line
- Water-reducible enamel paint, manual spray application



Dunnage Design and Fabrication

- Diverse designs and years of experience in dunnage design for many applications
- Materials and processes selected that suit each specific application
- Prototype foams, plastics can be done in-house on CNC router
- Strategic relationships with proven dunnage suppliers for mass production
- Includes metals, bags/fabrics, plastics, woods, polyurethane, rubber made by various methods and techniques

