

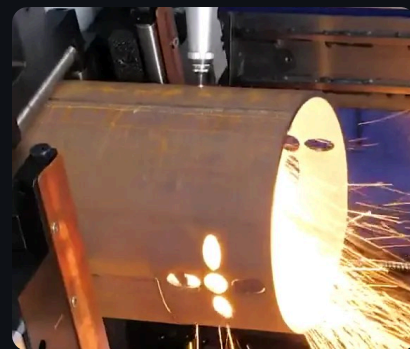
ARRIVING SOON AT SPARK · RICHMOND, BC

Tube and pipe, cut and ready to weld.

Spark is adding a **6 kW fiber tube laser** with a 9 m load area: one of very few machines like it in BC and Western Canada. Tube, pipe, angle, channel, beam and bar come off cut to length with every hole, slot, cope and notch already in them. No layout, no saw, no drill press, and no shipping tube work east or overseas.

■ SPARK LASER · custom automation

■ SPARK FABRICATION · CNC, fabrication, foam



6 kW

fiber laser source: mild steel, stainless, aluminum, galvanized

9 m · 29.5 ft

load area: lengths from 1 to 9 m, up to 300 kg a piece

12–240 mm

round, square and rectangular tube, plus open profiles

150 m/min

chuck travel at 1.5 G, tube turning at up to 140 rpm

WHAT IT CUTS

Holes and slots

Bolt holes, cable slots and drain holes on any face, located to the tube, not to a tape measure.

Miters and angle cuts

Clean 45° and compound corners for frames, gates and furniture.

Notch and fold

V-notches that fold one tube into a bent frame with one weld instead of four.

Copes and saddles

Fish-mouth ends that wrap the tube they meet, so round frames fit up with no grinding.

Tab-and-slot joints

Parts that lock together on the weld table: self-jigging, square and fast to tack.

Patterns and logos

Vents, decorative cut-outs and your logo cut right into the tube.



Bundle in, finished parts out. The auto loader feeds one tube at a time, two chucks carry and turn it under the 6 kW head, and parts slide onto the out table, ready for the weld bay.

WHAT FITS



Materials: mild steel, stainless steel, aluminum and galvanized. Tell us the grade and wall thickness and we match the cut to it. Not sure your profile fits? Send it and we'll check.

HOW A JOB RUNS

1

Send the model

STEP or IGES is best; a drawing with size, wall, length and quantity works too.

2

Quote in 24–48 h

We nest the parts on stock lengths and reply with an engineer-reviewed quote.

3

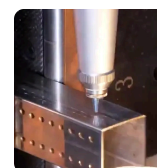
Cut in one pass

Every feature cut where the drawing puts it, while the tube turns in the chucks.

4

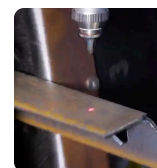
Weld and finish

Our MIG and TIG bay, 5-axis machining and finishing take it to a finished part.



Hole rows, no drill press

Rows of holes and windows on every face of square tube, in one setup.



Angle and channel too

Open profiles notched and cut to length, not only closed tube.

Instant estimate online

Upload a STEP file at sparkfab.ca/tube-estimator for an estimate in minutes, then contact us for an exact quote.

Spark Laser · custom automation

Faster, squarer machine structures

- Machine frames and bases with self-jigging tab-and-slot joints
- Guarding, conveyor stands and automation frames cut in-house
- Shorter build times on custom machines, from frame to wiring

Spark Fabrication · CNC, fab, foam

Tube work done locally, start to finish

- Frames, chassis, racks, carts, railings, gates and furniture
- Truck and trailer racks, gym rigs, signs, solar and farm mounts
- Cut, welded, machined and finished under one roof

Spark Laser Inc.

sparklaserinc.com
+1 778-893-1515

Spark Fabrication

sparkfab.ca/services/tube-laser-cutting
+1 778-893-1515

Visit the shop

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