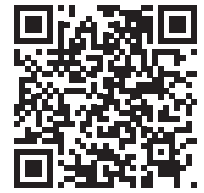


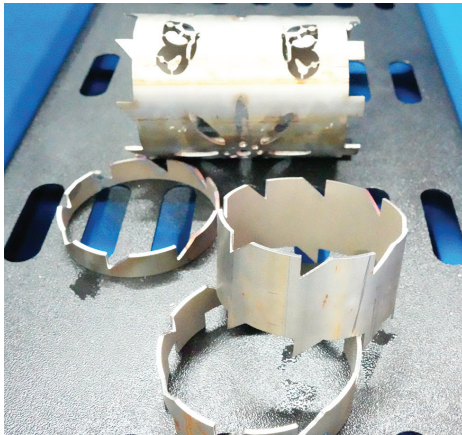
Erco Cut EC245L CNC Laser Cutter

OVERVIEW



SCAN TO VIEW VIDEO

Ercolina's ErcoCut EC245L fiber laser provides highly accurate cutting in a variety of tubes and profiles, greatly improving workflow and reducing finish operations. Ideal for cut off, slotting, saddle cuts, hole patterns, tube notching and more.



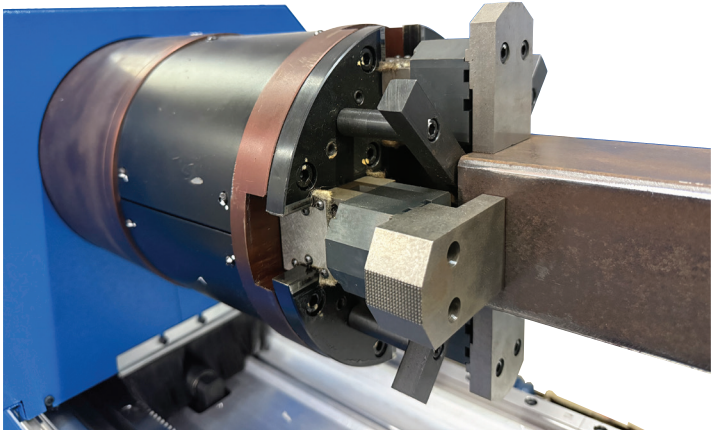
KEY FEATURES

- Intuitive software quickly and accurately produces cuts, holes and designs. Imports most CAD files, including DXF, DWG, STEP and IGES. Compatible with most CAD software: SolidWorks, Tekla, SDS2, AutoCAD and Pro/Engineer. Software interprets the file and creates a productive cut path, with part nesting to get the most out of every bar.
- Self-centering pneumatic chucks keep material on center, capturing round, square, rectangular, angle and C-channel with no modifications required. Front and rear chucks hold the piece at both ends, eliminating vibration and keeping cuts accurate on bars up to 24.5 feet.
- Automatic material supports on the table adjust to the correct height of the programmed part, no manual leveling, no sagging on long bars.
- 3 kW fiber laser source with autofocus cutting head, high energy efficiency and low maintenance.
- Carriage precision from a low-backlash, hardened and ground rack and pinion running on ball guides – accurate cuts along the full length of the machine.
- Brushless servo motors with battery-free absolute encoders. No re-homing after a power outage or shutdown – the machine knows where every axis is and restarts immediately.
- Fully digital drive system. No analog signals in the wiring means no positioning drift from electrical interference.
- Standard bevel cutting head cuts bevels to $\pm 45^\circ$ for weld joint preparation. Autofocus stays active in bevel mode, so cut quality holds at any angle.
- Detailed part simulation allows safe part preview before cutting.
- Industrial touch screen control at the machine handles all axis speed and movement, manual or automatic.

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ADVANTAGES

- Industrial design with greater support for heavy wall tubes and profiles – build quality that exceeds competing products.
- Brushless servo motors and rigid design increase capacity, reduce vibration during cutting and produce smoother cuts than competitive models.
- 24.5 ft standard length capacity.
- Extruded table bed for greater strength.
- High quality self-cleaning steel linear guides on hardened, ground precision rails.
- Extended grip tail stock reduces material waste to 6 inches.
- Cuts steel, stainless and aluminum tube, pipe and profiles.



OPTIONS

Drilling and Tapping Unit – Drill and tap directly on the workpiece in the same automatic cycle as the laser. One setup, one machine – no secondary operations, no repositioning errors.



Capacities & Specifications

Laser source.....	3 kW fiber, autofocus cutting head
Minimum profile length	12 in
Maximum standard length	24.5 ft
Maximum material weight.....	35 lb/ft
Round capacity (min-max).....	3/4 in - 8-5/8 in
Square capacity (max).....	8 in
Rectangular capacity (max).....	8 in x 2 in
Angle capacity (max)	8 in
C-channel capacity (max).....	8 in - 2 in
Auto bevel.....	45° right and left
Maximum linear speed, X, Y, Z.....	196 ft/min
Maximum spindle speed.....	100 rpm
Maximum unload length	8 ft standard
Controlled axes.....	8
Machine weight.....	2,646 lbs
Numerical control.....	Sync 3D