

## Liberator CNC Beam Coping Machine - Ocean Liberator - CNC Beam Coping Machine Technical Specifications



### Machine Capability

The machine is capable of processing almost any steel profile including...

- beams
- channel
- tube
- angle
- flat bar
- plate

### Specifications - Ocean Liberator CNC Beam Coping Machine

#### Cutting capabilities

- Maximum profile size 44" x 28" [1100mm x 700mm]
- Maximum plate width 48" [1250mm]
- Flange bevels +/- 45 degrees
- Web bevels +/- 45 degrees (external only)
- Maximum material thickness 6" [150mm]
- All cuts are programmable

#### Travel speeds

- Traverse speed 100 - 400 in/min [2.5 - 10m/min]
- Cutting speed 7 - 30 in/min [170mm - 750mm/min]

#### Travel dimensions

- "X"-axis (direction of flow) 46" [1168mm]
- "Y"-axis (cross travel) 76" [1930mm]
- "Z"-axis (vertical travel) 30" [762mm]
- "B"-axis (bevel angle) 270 degrees
- "C"-axis (torch rotation) 270 degrees

#### Accuracy

- Repeatability of X, Y & Z +/- 0.001" [0.025mm]
- Cutting with oxy-fuel +/- 0.0625" [1.5mm]
- Cutting kerfs depend on tip selection and heat adjustments

Below are a small selection of the type of copes that can be performed

