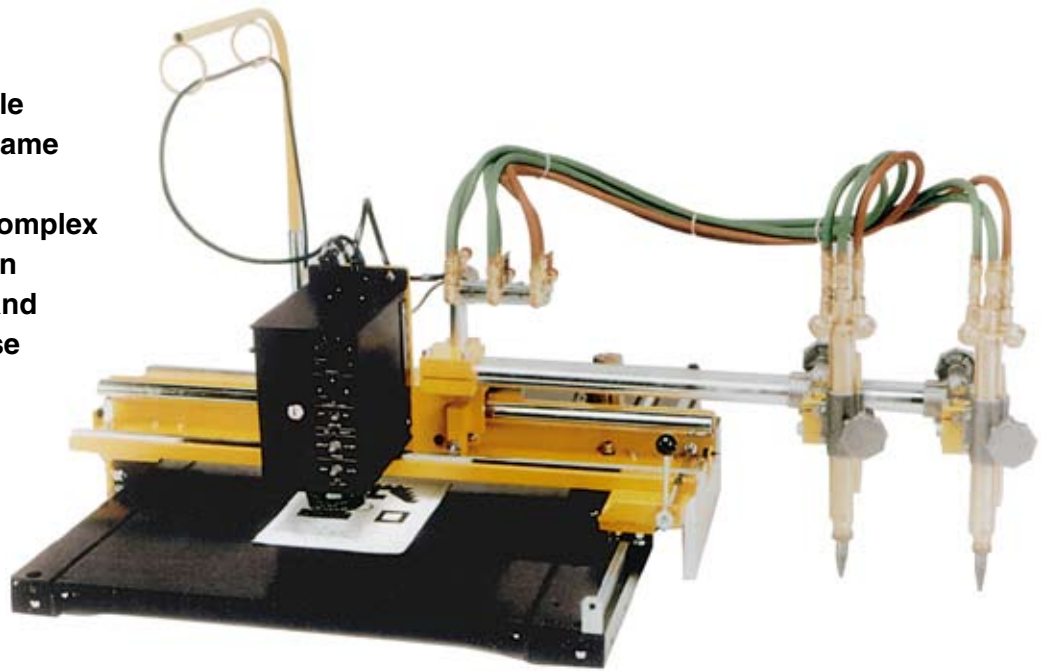


## ***Silhouette 500***

### ***Portable Cantilever Optical Tracing Machine***

The SILHOUETTE 500 Portable Shape Cutter is a precision flame cutting machine, capable of producing both simple and complex shapes. Straight line cuts can be made in both transverse and longitudinal directions. Precise X-Y axis carriage motion is performed by the solid-state, coordinate drive system.



The Silhouette 500 features the HL-90 Optical Tracing System, a solid state coordinate drive system, two oxy-fuel cutting torches, and an automatic cutting oxygen solenoid valve.

The HL-90 will provide years of dependable service tracing lines as narrow as 0.0122" (0.3 mm), at speeds from 2 to 120 ipm (50 to 3048 mm/min). Kerf compensation provides accurate contouring and is adjustable up to  $\pm 0.118$ " (3 mm). Controls available include: speed control knob, jog controls, rapid speed, tracing direction, and kerf adjust.

The travel speed on the standard Silhouette 500 is adjustable over a range of 2 to 120 ipm (50.8 - 3048 mm/m). The standard machine is

equipped with two oxyfuel cutting torches. An optional single plasma torch can be installed in place of one of the oxyfuel torches.

Longitudinal cutting is limited by the length of the lower carriage rails. It is also limited by the length of the tracing table, when tracer cutting. This cutting length can be increased by 35" (900 mm), with the addition of one optional lower carriage rail extension. The tracing length can be similarly increased by 35" (900 mm) by the addition of a second tracing table.

## Benefits

- + Produce complex shapes, using either your existing template patterns or the computer capabilities of the optional CNC.
- + Increase production by cutting out identical parts simultaneously using the two-torch capability of the machine.
- + Increase accuracy with machined rack and pinion drives in both axes.
- + Control kerf compensation, which is easily dialed into the photo-optical tracer.
- + Use it at the job site to reduce material handling.
- + Lightweight enough to even be set up on a table.
- + Cut scrap into manageable sizes by placing it right in the cutting area of your larger machine.

## Specifications

|                                |                                       |
|--------------------------------|---------------------------------------|
| Plate Width Capacity           | 24" (610 mm)                          |
| Plate Length Capacity          | 24" (610 mm)*                         |
| Template Table Width           | 24" (610 mm)                          |
| Template Table Depth           | 24" (610 mm)*                         |
| Machine Width (Boom Retracted) | 41" (1045 mm)                         |
| Machine Width (Boom Extended)  | 65" (1675 mm)                         |
| Machine Length                 | 35.43" (900 mm)                       |
| Machine Weight                 | 70 lbs. (32 kg)                       |
| Torch Capacity (Oxyfuel)       | 2                                     |
| Torch Capacity (Plasma)        | 1                                     |
| Speed Range                    | 2-120 ipm<br>(50 - 3048 mm/min)       |
| Tracing Speed                  | 2-120 ipm<br>(50 - 3048 mm/min)       |
| Power Supply Requirement       | 110VAC, 60 Hz<br>Single Phase, 2 Amps |

## Options

- + Rail Extension
- + Rail Stands
- + Extra Tracing Tables to increase tracing length
- + Gas Process Hose Bundles, 25' and 50'
- + Plasma Cutting Package
- + Vision LE CNC Control
- + External Floppy Disk Drive
- + UDL/PPT Advanced Serial Communications Software

\* The rail extension will add 35.43" (900 mm) to the plate length capacity. Only one rail extension may be installed per machine. Specifications are subject to change without notice.



*Silhouette 500* shown with rail stands and 50 amp plasma cutting system.



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