

LINATROL

Profile Cutting Solutions

HL-8A Series

Tracing Systems



The HL-8A series of Coordinated Drive Tracing Systems delivers industry-leading motion control for larger steel cutting machines. The modular design allows you to select the control unit, options and

drive package that match your machine requirements.

With more than 40 years' experience, let Linatrol help your business make the cut.

HL-8A Series Tracing Systems

The Linatrol HL-8A series of coordinate drive tracing systems is available in several different styles and models, all of which can be customized to suit your specific applications. Each system delivers superior performance through the patented Linatrol tracing head, a highly reliable control unit, and servo drive assemblies proven for durable, dependable operation.

The system control unit supports tracing, drive and cutting media controls, as well as up to six individual

torch lift controls. Power amplifier modules and circuit cards are located within these units. In addition, our highest power models - the HL875 and HL876 - include an interface card that connects to an external amplifier unit, and supports both two and three channel operation.

These exceptional systems have been used around the world for more than 30 years. They have become the standard that competitive systems can only strive to match.

FEATURES & BENEFITS

- Standard "oxy-fuel only" or "oxy-fuel/plasma combination" controls available.
- Many drive packages to choose from for speeds up to 10 metres/minute.
- Operator control panel with controls for gas, tracer, optional plasma and up to 6 individual torches.
- 24 volt solenoid and torch lift outputs available.
- Accuracy adjustment to compensate for line thickness.
- Command Mark slowdown for improved cornering.
- Automatic pattern acquisition & bi-directional tracing.
- Torch off-pattern interlock.
- 8 way manual direction control for straight line cutting & machine repositioning.
- CNC compatible - optional interface connection.
- Drives available with optional encoders for CNC operation.

PERFORMANCE SPECIFICATIONS

- Power: 110/115/230 VAC +10%/-15%, 50/60 Hz, single phase with ground connection.
- Tracing Accuracy: +/- 0.25 mm deviation from a straight pattern edge.
- Machine Speed: up to 10 metres/minute (dependent on amplifier output and drive gear ratio).
- Tracing Speed: up to 3 metres/minute.
- Min Corner Radius: square corners to 1m/min, 1mm radius corners up to 1.5 m/min, 3mm radius corners up to 3m/min.
- Kerf Offset: adjustable for cuts up to 3.0 mm wide (up to 6.0 mm can be supported).
- Lead: 3mm standard, others available for special applications.
- Patterns: Silhouette or Line type (minimum line width is 0.6 mm).
- Environment: operating temperature 0°C to +50°C, storage temperature -18°C to +65°C, humidity to 95% (non condensing).

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