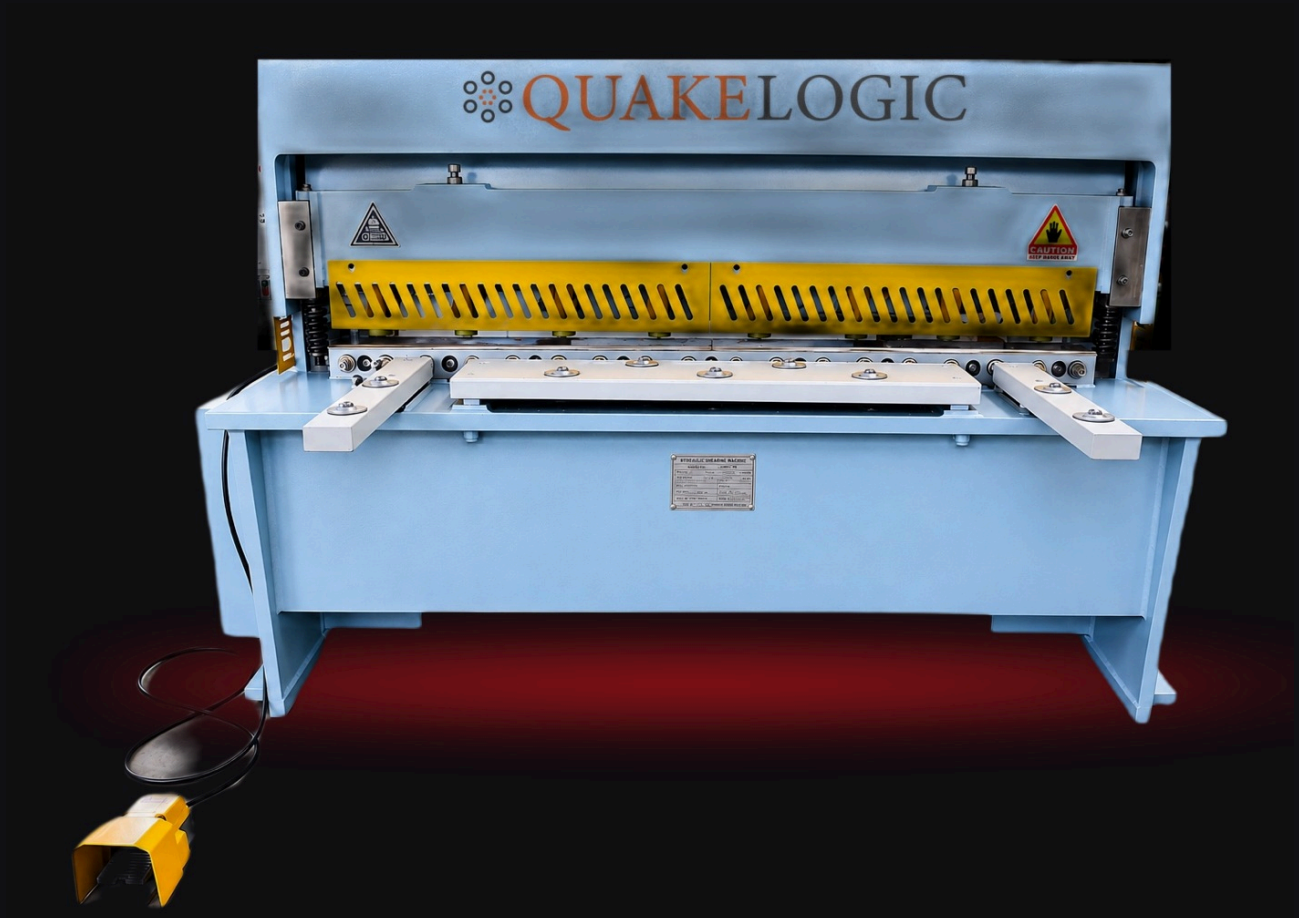
QUAKELOGIC

DATASHEET

HYDRAULIC METAL SHEARING MACHINE

# QL-ShearMaster Pro

An industrial-grade hydraulic metal shear with a front-operated powered digital backgauge and squaring arm, built for education, fabrication training and industrial sheet-metal production.




**MILD STEEL**

**1/4 in**

*6.35 mm cutting capacity*

**CUTTING LENGTH**

**48 in**

*1,219 mm blade cutting length*

**STROKE RATE**

**16 SPM**

*Strokes per minute, hydraulic drive*

**MAIN MOTOR**

**7.5 HP**

*220 V and 440 V dual-voltage*

CUSTOMER SATISFACTION 100% GUARANTEED

**QuakeLogic Inc.** · Roseville, California

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# QL-ShearMaster Pro

## HYDRAULIC SHEAR WITH POWERED DIGITAL BACKGAUGE








## RELIABLE HYDRAULIC SHEARING FOR SHOP AND CLASSROOM

The QL-ShearMaster Pro is a heavy-duty hydraulic metal shearing machine for educational, vocational and industrial fabrication applications. An industrial-grade hydraulic shearing system, heat-treated blades and a front-operated powered digital backgauge deliver clean, square and repeatable cuts in mild steel, stainless steel and aluminum sheet. A squaring arm and foot pedal control complete the package for safe, efficient operation. The system is supplied and supported by QuakeLogic Inc.

- Cuts 1/4 in mild steel, 10-gauge stainless steel and 3/8 in aluminum down to 20 gauge over a 48 in cutting length.
- Front-operated powered digital backgauge, driven by a dedicated 1 HP motor, sets cut dimensions quickly and precisely from the operator position.
- Squaring arm and foot pedal control support accurate, repeatable cuts with hands-free, efficient operation.
- Supplied complete with documentation, technical support, replacement-parts assistance and a 12-month warranty.

## STANDARD FEATURES »

- Hydraulic shearing machine
- Industrial-grade hydraulic system
- Heat-treated shearing blades
- 7.5 HP main motor
- Powered digital backgauge
- 1 HP backgauge motor
- Front-operated controls
- Squaring arm
- Foot pedal control
- 220 V & 440 V dual-voltage
- Pre-shipment testing
- Operation & maintenance manuals
- Electrical & hydraulic docs
- 12-month warranty
- Phone & email support

# KEY FEATURES

- Industrial-grade hydraulic shearing system delivers smooth, powerful cutting action with consistent results across the full blade length.
- 1/4 in mild steel, 10-gauge stainless steel and 3/8 in aluminum capacities cover the most common sheet materials in fabrication programs.
- Cuts sheet as thin as 20 gauge, so thin sheet and 1/4 in plate are processed on the same machine.
- 48 in cutting length accommodates standard sheet widths used in training and light production.
- 16 strokes per minute supports productive repetitive cutting.
- High-quality, heat-treated blades produce clean, accurate edges with minimal burr.
- Front-operated powered digital backgauge provides quick, precise positioning without leaving the operator station.
- Squaring arm at the front of the table aligns stock for square, repeatable cuts.
- Foot pedal control enables hands-free, safe and efficient operation.

## PRODUCT FEATURES

**Shearing System**
Industrial-grade hydraulic shearing mechanism · Heat-treated shearing blades · 16 strokes per minute

**Cutting Capacity**
Mild steel 1/4 in · Stainless steel 10 gauge · Aluminum 3/8 in · Thinnest sheet 20 gauge

**Cutting Length**
48 in (1,219 mm)

**Backgauge**
Front-operated powered digital backgauge · 1 HP three-phase backgauge motor

**Operator Controls**
Front squaring arm · Foot pedal control

**Electrical**
7.5 HP three-phase main motor · 220 V and 440 V dual-voltage, three-phase, 60 Hz

**For more information about the features, specifications and available configurations of the QL-ShearMaster Pro, please contact QuakeLogic.**

## APPLICATIONS

Designed for instruction and day-to-day fabrication where reliable, repeatable sheet cutting is required.

### EDUCATION & TRAINING

Technical and vocational schools and community colleges teaching sheet-metal fabrication and safe machine operation.

### FABRICATION & WELDING

Preparing square, accurately sized blanks for welding, forming and assembly in fabrication programs and shops.

### MAINTENANCE WORKSHOPS

In-house cutting of mild steel, stainless and aluminum sheet for repair, maintenance and light production work.

## SYSTEM CONFIGURATION

| COMPONENT | CONFIGURATION |
|---|---|
| **Machine Type** | Hydraulic metal shearing machine |
| **Shearing System** | Industrial-grade hydraulic system |
| **Blades** | High-quality, heat-treated shearing blades |
| **Backgauge** | Front-operated powered digital backgauge |
| **Squaring Arm** | Included, front-mounted |
| **Operator Control** | Foot pedal control |
| **Main Motor** | 7.5 HP, three-phase, 220 V and 440 V dual-voltage |
| **Backgauge Motor** | 1 HP, three-phase, 220 V and 440 V dual-voltage |

## CUTTING CAPACITY

| SPECIFICATION | VALUE |
|---|---|
| **Mild Steel** | 1/4 in (6.35 mm) |
| **Stainless Steel** | 10 gauge |
| **Aluminum** | 3/8 in (9.53 mm) |
| **Minimum Thickness** | 20 gauge |
| **Cutting Length** | 48 in (1,219 mm) |
| **Stroke Rate** | 16 strokes per minute |

# INCLUDED SERVICES

### PRE-SHIPMENT TESTING

Inspection and functional testing of hydraulics, cutting capacities, stroke rate, motors, backgauge and squaring arm before shipment.

### OPERATOR GUIDANCE

Operating instructions and technical assistance covering safe operation, backgauge use, cutting functions and routine maintenance.

### DOCUMENTATION PACKAGE

English operation, installation and maintenance manuals, wiring diagrams, hydraulic documentation and parts information.

### WARRANTY & SUPPORT

12-month warranty covering parts and labor, with phone and email support and replacement-parts coordination.

# TECHNICAL SPECIFICATIONS

| SPECIFICATION | DESCRIPTION |
|---|---|
| **MACHINE AND CUTTING** | |
| **Brand / Model** | QuakeLogic / QL-ShearMaster Pro |
| **Equipment Type** | Hydraulic metal shearing machine |
| **Shearing System** | Industrial-grade hydraulic |
| **Blades** | Heat-treated shearing blades |
| **Mild Steel Capacity** | 1/4 in (6.35 mm) |
| **Stainless Steel Capacity** | 10 gauge |
| **Aluminum Capacity** | 3/8 in (9.53 mm) |
| **Minimum Cutting Thickness** | 20 gauge |
| **Cutting Length** | 48 in (1,219 mm) |
| **Strokes per Minute** | 16 |
| **DRIVE AND ELECTRICAL** | |
| **Main Motor** | 7.5 HP, three-phase |
| **Backgauge Motor** | 1 HP, three-phase |
| **Electrical Supply** | 220 V and 440 V dual-voltage, three-phase, 60 Hz |
| **BACKGAUGE AND CONTROLS** | |
| **Backgauge** | Front-operated, powered, digital |
| **Squaring Arm** | Included |
| **Operator Control** | Foot pedal |

| SPECIFICATION | DESCRIPTION |
|---|---|
| **SUPPLY AND SERVICE** | |
| **Supply Condition** | Factory-new, unused, current production |
| **Factory Testing** | Pre-shipment inspection and functional test |
| **Delivery Terms** | FOB Destination |
| **Warranty** | 12 months, parts and labor |
| **Technical Support** | Phone and email, troubleshooting |
| **Spare Parts** | Replacement-parts coordination |
| **DOCUMENTATION** | |
| **Manuals** | Operation, installation and maintenance |
| **Electrical** | Wiring diagrams, power supply requirements |
| **Hydraulic** | Hydraulic system documentation |
| **Backgauge** | Digital backgauge operating instructions |
| **Safety & Maintenance** | Safety and preventive maintenance instructions |
| **Parts** | Replacement-parts identification and ordering |
| **Language** | English |

*Images are representative. Specifications describe the standard QL-ShearMaster Pro configuration.*

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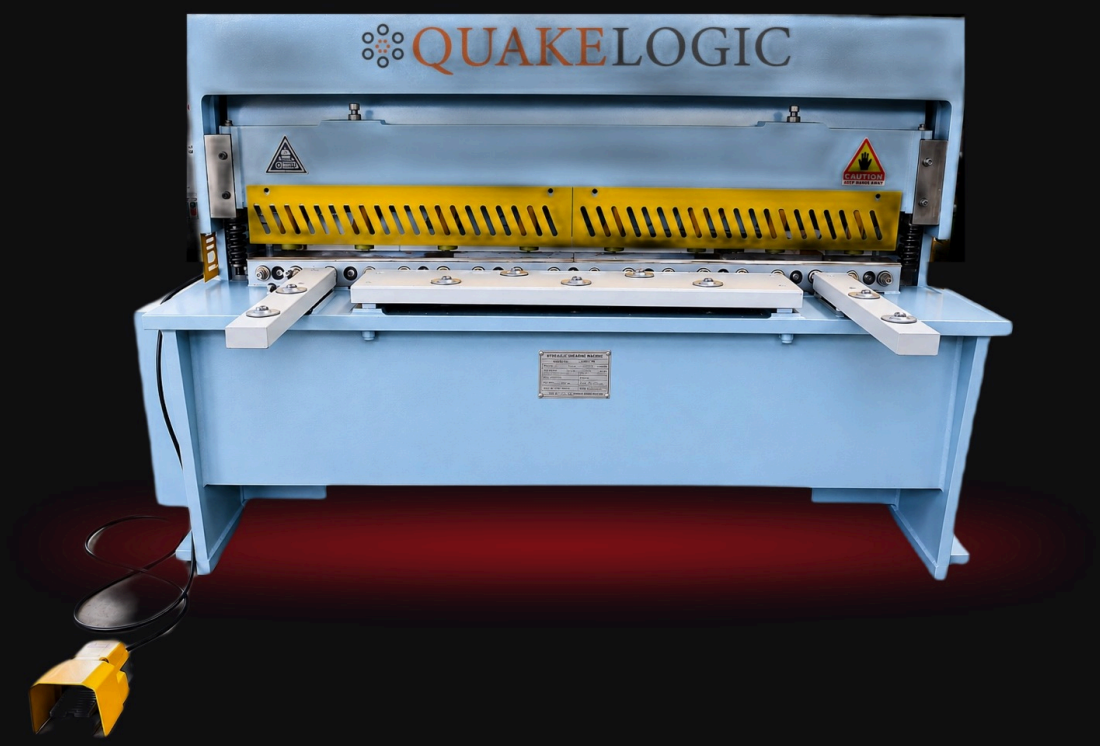
QL-SHEARMASTER PRO · HYDRAULIC METAL SHEAR




## CORPORATE HEADQUARTERS

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## CONTACT

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## VIEW PRODUCTS

## COMPANY CERTIFICATIONS

### ISO 9001:2015

Quality Management

**Cert. No. AQUS-10006**

### ISO 14001:2015

Environmental Management

**Cert. No. AQUS-20002**

### ISO 45001:2018

Occupational Health & Safety

**Cert. No. AQUS-30002**

### ISO/IEC 27001:2022

Information Security

**Cert. No. ICB.90238.ISO.56838**

QuakeLogic Inc. is a California-based engineering and technology company, certified at company level to the standards above. The QL-ShearMaster Pro is supplied and supported by QuakeLogic Inc.

CUSTOMER SATISFACTION · 100% · GUARANTEED