

 **QUAKELOGIC**

QuakeLogic QL-ShearPro

HYDRAULIC SWING BEAM METAL SHEARING MACHINE



QuakeLogic QL-ShearPro

HYDRAULIC SWING BEAM METAL SHEARING MACHINE

The QuakeLogic QL-ShearPro is a heavy-duty hydraulic swing beam sheet metal shearing machine engineered for accurate and reliable cutting of mild steel, stainless steel, and aluminum sheets. The machine integrates a rigid welded steel frame, industrial hydraulic drive system, and precision cutting blades to deliver consistent cutting performance for fabrication shops, maintenance facilities, and industrial production environments.

6,000 mm

Maximum cutting length (20 ft) for full-width sheet processing

20 Tons

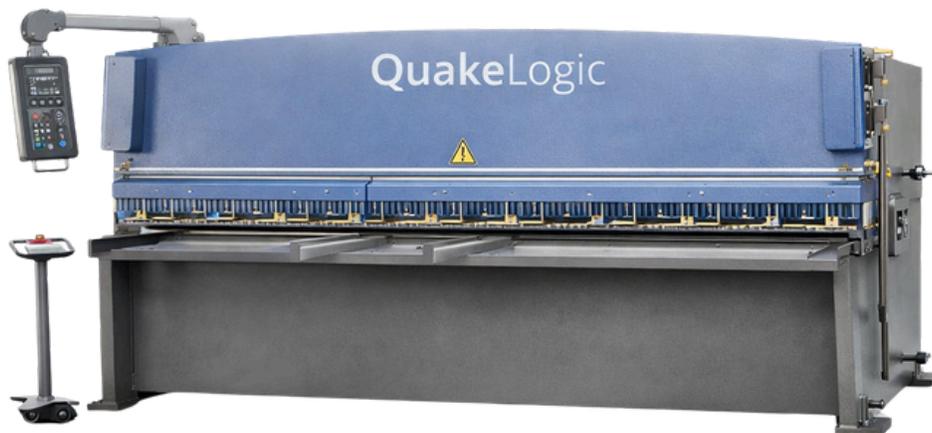
Hydraulic hold-down force across 18 clamping cylinders

50 Cycles/Min

Peak cutting speed during short-stroke operations

14,000 lb

Machine weight — approx. 6,350 kg industrial-grade construction



Technical Specifications

The QL-ShearPro is built to exacting industrial standards, combining a 12 HP motor, precision hydraulic drive, and hardened tooling to deliver repeatable accuracy across a wide range of sheet metal gauges and material types. The specifications below represent the full operational envelope of the machine as shipped in standard configuration

Machine & Cutting Geometry		Drive, Power & Control	
Machine Type	Hydraulic Swing Beam Shear	Cutting Speed – Full Stroke	35 cycles/min
Cutting Length	6,000 mm (20 ft)	Cutting Speed – Short Stroke	50 cycles/min
Cutting Capacity	10–20 Gauge (Mild Steel)	Backgauge Range	40 in
Rake Angle	3/16 in per foot	Main Motor Power	12 HP industrial motor
Knife Size	1" × 3" × 124"	Electrical Requirements	230-480V / 3 Phase / 60 Hz
Blade Material	Hardened high carbon tool steel	Hydraulic System	Industrial hydraulic cutting drive
Hold-Down Cylinders	18	Control System	Industrial electrical control panel
Hold-Down Force	approx. 20 tons	Frame Construction	Heavy-duty welded steel frame
		Machine Weight	approx. 14,000 lb (6,350 kg)

Standard Equipment & Applications

The QL-ShearPro ships fully equipped for immediate integration into production and fabrication environments. Every included component has been selected to maximize uptime, operator safety, and dimensional accuracy from day one – without requiring aftermarket retrofitting for standard production tasks.

Standard Equipment Included

-  **Programmable Backgauge System**
Precision backgauge positioning with adjustable range of 36–46 in (915–1,170 mm) for repeatable cut dimensions across production runs.
-  **Hydraulic Hold-Down Clamping**
18-cylinder hydraulic sheet clamp system delivers approximately 20 tons of hold-down force, minimizing sheet deflection and ensuring clean, burr-free cuts.
-  **Hardened Cutting Blades**
High-carbon tool steel blades (1" × 3" × 124") pre-installed and factory-set for immediate production. Designed for extended service life and straightforward replacement
-  **T-Slot Table & Front Support Arms**
Two front support arms with T-slot configuration and integrated ball transfers provide smooth material handling across the full 20 ft cutting bed
-  **10 ft Squaring Arm**
Ensures precise material alignment prior to cutting, reducing setup time and operator error on large sheet stock
-  **Safety Guards & E-Stop**
Integrated safety guarding and emergency stop system meet industrial safety requirements and protect operators during all phases of machine operation.

Target Applications

-  **Sheet Metal Fabrication**
High-volume production cutting of mild steel, stainless, and aluminum sheet stock for fabricated components and assemblies
-  **Maintenance & Repair Workshops**
On-demand precision cutting for MRO operations requiring consistent dimensional accuracy across mixed material types.
-  **Structural Metal Processing**
Processing of flat plate and structural sheet for welded frames, enclosures, and load-bearing fabrications.
-  **Manufacturing & Institutional Facilities**
Suitable for dedicated production lines in manufacturing plants, institutional workshops, and industrial job shops requiring high cycle rates and reliable uptime



ADVANTAGES

- Straight cutting quality
- New design body structure and working system
- Less maintenance
- Faster working system



Manual Blade Clearance Adjustment



Excellent cutting quality from 6mm up to 30 mm with powerful monoblock body