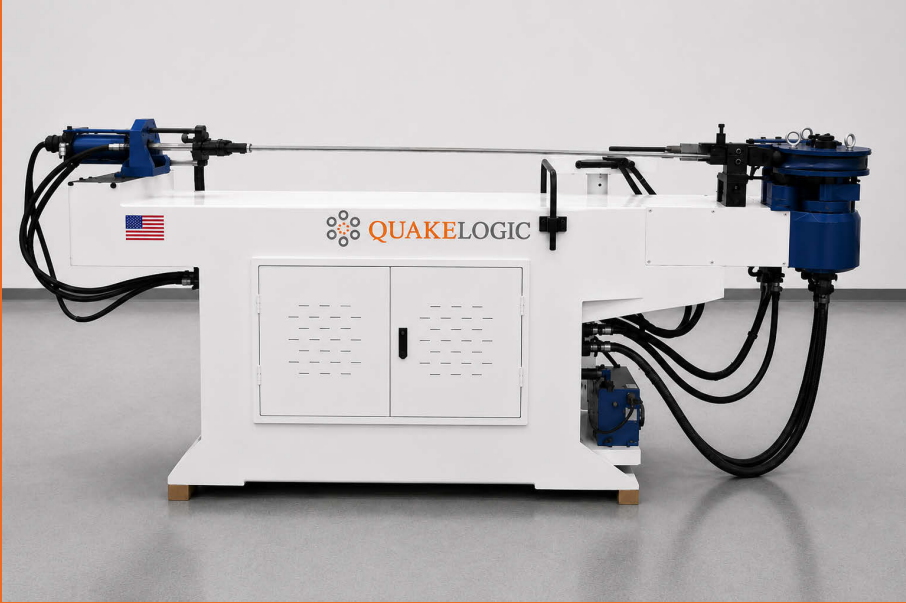


QL-BendMaster 420

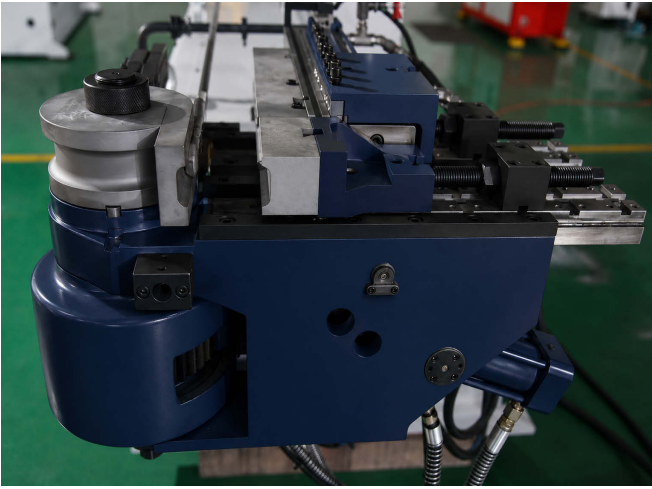
QUAKELOGIC

MANUAL MANDREL PIPE BENDING MACHINE



QL-BendMaster 420

Manual Mandrel Pipe Bending Machine



SELF-CONTAINED MANUAL MANDREL PIPE BENDING

The QL-BendMaster 420 is a heavy-duty, floor-mounted manual mandrel pipe bending machine for accurate forming of pipe and tubing up to 1.50 in OD. Fully self-contained, it requires no external power source and bends both clockwise and counter-clockwise. Built for industrial fabrication shops, it ships complete with a comprehensive interchangeable tooling package, integrated hydraulic mandrel extractor, and angle bend indicator — ready for operation on arrival.

- Fully self-contained operation with no external power source required, enabling deployment anywhere on the shop floor without electrical or pneumatic infrastructure.
- Comprehensive interchangeable tooling package spanning 0.375 in to 1.50 in OD covers a wide job range without additional tooling purchases.
- Hydraulic foot-operated mandrel extractor frees both hands and speeds part removal, improving throughput on repetitive bending operations.
- Integrated angle bend indicator assembly delivers repeatable bend angles up to 195°, reducing scrap on precision tube forming work.

STANDARD FEATURES »

- Self-Contained Hydraulic System
- Foot-Operated Mandrel Extractor
- Angle Bend Indicator
- 25 Bend Dies
- 20 Mandrels
- 6 Mandrel Rods
- 9 Clamp Dies
- 9 Pressure Dies
- Complete Wrench Set
- Technical Documentation
- Floor-Mounted Base

Key Features

- Heavy-duty floor-mounted construction provides the rigidity needed for accurate, repeatable bends on pipe and tube up to 1.50 in OD.
- Fully manual, self-contained system operates with no outside power source, simplifying installation and enabling use in power-limited environments.
- Clockwise and counter-clockwise bending directions support flexible part geometry and layout without repositioning the workpiece.
- Integrated self-contained hydraulic system powers bending and mandrel extraction from a single onboard unit for dependable operation.
- Hydraulic foot-operated manual mandrel extractor removes mandrels quickly and safely while keeping the operator's hands on the work.
- Angle bend indicator assembly enables consistent bend angles up to 195° of bend-arm movement for accurate production forming.
- Maximum 8.00 in center line radius and 10 ft over-mandrel tube length accommodate large-radius and long-part bending jobs.
- Complete interchangeable tooling package — bend dies, mandrels, rods, clamp and pressure tooling — covers the full 0.375 in to 1.50 in OD range.
- Supplied factory-new as a complete, ready-for-operation package with hand tools and full technical documentation for immediate use.

PRODUCT FEATURES

Bending Capacity

Pipe / tube up to 1.50 in OD · Maximum 8.00 in center line radius
· Bend-arm movement up to 195°

Operation

Fully manual, self-contained system · Clockwise and counter-clockwise bending · No external power source required

Hydraulics

Integrated self-contained hydraulic system · Hydraulic foot-operated mandrel extractor

Tooling Package

25 bend dies, 0.375–1.50 in OD · 20 mandrels, 0.375–1.50 in OD · 9 clamp dies and 9 pressure dies

Indication

Integrated angle bend indicator assembly

For more information about the features, specifications, and available configurations of the QL-BendMaster 420, please contact QuakeLogic.

BENDING CAPACITY

SPECIFICATION	VALUE
Maximum Pipe / Tube Capacity	1.50 in OD
Tooling Size Range	0.375 in to 1.50 in OD
Maximum Center Line Radius	8.00 in
Maximum Bend Arm Movement	195°
Maximum Over-Mandrel Tube Length	10 ft



TECHNICAL SPECIFICATIONS

SPECIFICATION	DESCRIPTION
Product Model	QL-BendMaster 420
Machine Type	Manual Mandrel Pipe Bending Machine
Operating Configuration	Fully Manual, Self-Contained
Installation	Heavy-Duty Floor-Mounted
External Power Requirement	None Required
Bending Direction	Clockwise and Counter-Clockwise
Maximum Pipe / Tube Capacity	1.50 in OD
Tooling Size Range	0.375 in to 1.50 in OD
Maximum Center Line Radius	8.00 in
Maximum Bend Arm Movement	195°
Maximum Over-Mandrel Tube Length	10 ft
Mandrel Extraction	Hydraulic Foot-Operated Manual Extractor
Mandrel Extractor System	Integrated and Included
Bend Angle Indication	Integrated Angle Bend Indicator Assembly
Hydraulic System	Integrated Self-Contained

SPECIFICATION	DESCRIPTION
Bend Dies	25, covering 0.375–1.50 in OD
Mandrels	20, covering 0.375–1.50 in OD
Mandrel Rods	6 Included
Clamp Dies / Blocks	9, covering 0.375–1.50 in OD
Pressure Dies / Side Blocks	9, covering 0.375–1.50 in OD
Wrench Set	Complete Wrench Set Included
System Configuration	Complete and Ready for Operation
Technical Documentation	Two Hard Copies, One Electronic Copy
Packaging	Commercial/Industrial Protective
Delivery Terms	FOB Destination
Delivery Schedule	Within 365 Calendar Days ARO
Warranty	One (1) Year Standard
Technical Support	Available Throughout Warranty Period
Condition	Factory-New, Complete, Fully Operational

QL-BendMaster 420

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About QuakeLogic:

QuakeLogic Inc. is a California-based engineering and technology company providing innovative, reliable, high-quality solutions to customers worldwide.

Our Commitment

We are committed to quality, innovation, and customer satisfaction – building lasting partnerships through reliable solutions and dependable support.

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