

 **QUAKELOGIC**

QL-PressMaster 175-3200

CNC PRESS BRAKE



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- The QL-PressMaster 175-3200 CNC Press Brake is a high-performance, precision-engineered metal forming solution designed for demanding industrial applications. Built with a heavy-duty welded steel frame and equipped with advanced electro-hydraulic synchronization technology, the system ensures consistent bending accuracy and long-term structural stability. Powered by the industry-leading DELEM DA-69S 3D CNC controller, it offers intuitive programming, real-time simulation, and optimized bending sequences for increased productivity. With high-precision backgauge positioning, energy-efficient hydraulic components, and scalable multi-axis configuration, QL-PressMaster delivers reliable, repeatable, and efficient performance across a wide range of sheet metal fabrication processes.

General Specifications:

	Machine Type:	CNC Hydraulic Press Brake
	Nominal Pressure:	175 Ton (1750 kN)
	Working Length:	3200 mm (126 in)
	Throat Depth:	400 mm (15.7 in)
	Stroke:	200 mm (7.87 in)
	Max Open Height:	450 mm (17.7 in)
	Frame Type:	Heavy-duty welded steel structure

✓ CNC Control System:

Controller:	DELEM DA-69S 3D CNC Controller
Programming:	2D & 3D graphical programming
Offline Software:	Included (Profile T3D compatible)
Interface:	Touchscreen with real-time simulation
Language:	French and English
	<ul style="list-style-type: none">• Tooling and angle correction• Multi-axis synchronization• Automatic bend sequence calculation

✓ Axis Configuration:

Standard Axes:	Y1, Y2, X, R, Z1, Z2
Optional Expansion:	Up to 8+1 axis
Backgauge Type:	CNC servo-driven system
Positioning Accuracy:	±0.02 mm
Repeatability:	±0.05 mm

✓ Hydraulic & Drive System:

Hydraulic System:	Rexroth (Germany)
Main Motor Power:	15 kW
Drive Type:	Electro-hydraulic synchronized system
Crowning System:	Automatic mechanical crowning
	<ul style="list-style-type: none">• High precision bending• Stable synchronization under full load

✓ Electrical System:

✓	Electrical Components:	Schneider Electric
	Power Supply:	575V / 60Hz / 3-Phase (North America compliant)
	Control Cabinet:	Industrial-grade enclosed system
	Interface:	Touchscreen with real-time simulation
	<ul style="list-style-type: none">• Three-Phase 600 V, Operating Current: 40–60A (depending on load conditions)	


✓ Backgauge System:

✓	X-Axis Travel:	550 mm
	R-Axis Travel:	200 mm
	X-axis Speed:	350 mm/s
	R-axis Speed:	200 mm/s
	Linear Guide System:	High precision ball screw


✓ Tooling System:

✓	Tool Type:	European standard tooling
	Tool Clamping:	Fast clamping system
	Compatibility:	WILA / Amada compatible
	Crowning System:	Automatic mechanical crowning
	<ul style="list-style-type: none">• 4V Die Set (V16–22–35–50)• 835 mm segmented punches	


✓ Machine Dimensions & Weight:

	Machine Dimensions:	4100 × 2000 × 2700 mm
	Net Weight:	~10,000 kg
	Structure:	Stress-relieved monoblock frame

✓ Performance Features:

	• Intelligent tool selection system
	• Automatic crowning compensation
	• High-speed servo backgauge
	• Uniform bending accuracy across entire length
	• Energy-efficient hydraulic system

✓ Safety & Compliance:

	Safety Standards:	CE compliant
	• Laser safety system (optional)	
	• Light curtain protection (optional)	
	• Emergency stop & overload protection	

✓ Delivery & Installation:

	Delivery Term:	DDP (Delivered Duty Paid)
	Installation:	On-site commissioning included
	Training:	Operator training provided

✓ Warranty & Support:



Warranty:	3 Years
Technical Support:	Lifetime remote support
Spare Parts:	Readily available

✓ Packaging and Delivery:



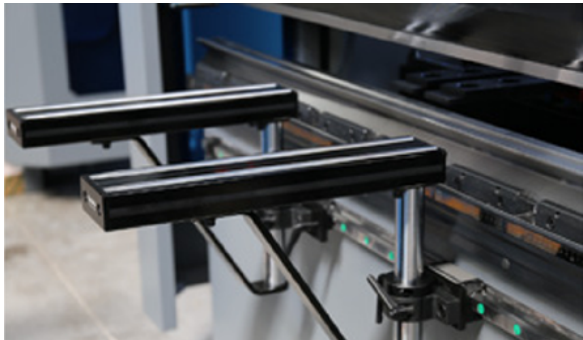
✓ Standard Equipment:



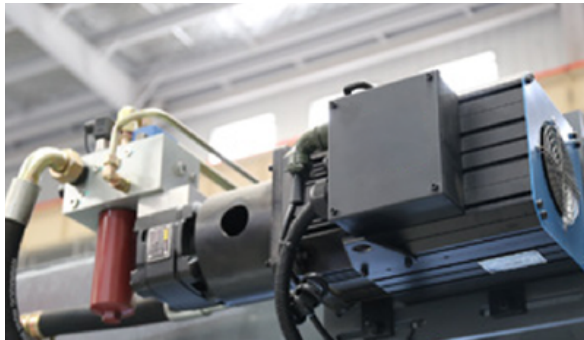
Fast Clamping



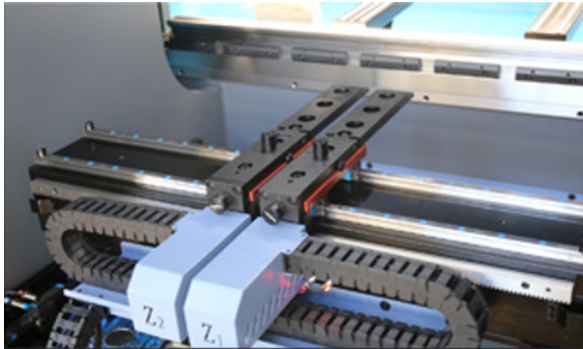
Electrical Pat



Front Support



Servo Motor



Stop Finger



Foot Panel



European Type 4 V-Die Tooling



Segmented Tooling

High-Precision CNC Press Brake Solutions Engineered for Excellence

Corporate Headquarters

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Direct access for advanced CNC
press brake consultations and
priority technical support.

Available Monday - Friday, 9 AM -
5 PM PST

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For strategic collaborations, CNC
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