



# AUTOMATIC BENDERS

## MAGNABEND 235

The KRB MagnaBend 235 double bender is designed to speed up the bending process of rebar. The machine is faster than conventional table benders. Compared to conventional table benders, the material handling

and operation of the double bender saves labor by eliminating 2 and 3 man bending for long and heavy bars. When using the material handling arms, the rebar is loaded and discharged automatically. The machine's

biggest advantage is the ease of bending large diameter bars and bars with multiple bends. There is less need for a highly skilled operator.



The KRB MagnaBend 235 Double Bender is superior for the following reasons:

- Each bending unit weighs 5500 pounds (2500 kilograms). When bending two #11 (35mm) bars, a robust machine is required. The powerful hydraulic system of the MagnaBend handles maximum capacity with ease. Hydraulics produce higher torque and tolerate increased cycling over conventional electric motors.
- The MagnaBend truss attachment permits galloping trusses with a very short rise height or "H" dimension.
- An absolute encoder is used for linear measurements. The moveable bender never loses its position and does not require home indexing.
- Larger turntable design allows the operator to bend (2) #11 (35mm) bars in both directions around a forming tool which meets the requirements of ACI 318 and CRSI Standard Hook bend diameters. The forming tools have been designed so that the 180° hook length meets the CRSI Standard without adding to the bar's cut length.
- The conversational electronic control is designed and manufactured by KRB Machinery. The shape is graphically displayed on the screen prior to bending for ease of data entry. The controller can be downloaded from production software located on a host production PC. The controller also allows 2D bar scanning directly from the tag.





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## General Specifications:

- Bi-directional bending on ALL bar sizes up to and including #11 (35mm) high tensile bar
- Capacity: Hard grade deformed reinforcing steel
- 40 hp (30kW) hydraulic power unit
- Bend speed variable from 5 rpm to 12 rpm
- Powered conveyor rollers with shock absorbing squaring stop
- Hydraulically operated automatic loading and discharging system
- Fully conversational computer control with downloading and 2D bar scanning capabilities. The control provides a picture, on the screen, verifying the programmed part is correct. The controller allows for 36 lines of programming input per shape. There are also hot keys for bend angle input.
- All electrical controls are U.L. (Underwriters Laboratories) and c.U.L. Listed.
- All wiring meets N.E.C. (National Electrical Code) Standards.
- All electrical enclosures meet NEMA 4/12 rating. (Watertight, dust tight, oil tight).
- Safety switch package and emergency stops
- The hydraulic power unit contains a submersed pump, providing extended life compared to pumps that are above the tank and work on suction.
- Complies with the requirements of the EU Machinery Directive
- Estimated average power consumption 10 kW/h



2D Bar Coding Optional



Horizontal Chain Drag Loading System Optional

CAPACITY CHART Grade 60 or 65kg/mm <sup>2</sup>		
BAR SIZE		QTY OF BARS
IMPERIAL	METRIC	
6	20mm	6
7	22mm	5
8	25mm	5
9	28mm	4
10	32mm	3
11	35mm	2
*14	45mm	1
* with optional tooling setup		