MBC SERIES

Automatic Double-Loop Bale-Tie/Quick Links Straightening and Twin Bending System

EUROBEND



The straightening process is based on our unique Hyperbolic Roller Rotor method, invented and developed by our R&D department 30 years ago and internationally recognized as a state-of-the-art technology.

Now utilizing the fifth generation of straightening rotors, the MBC Series guarantees unmatched straightening results, regardless of material quality or grade.

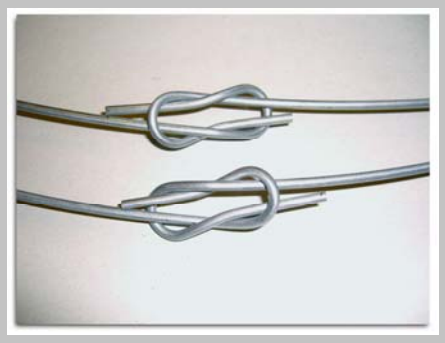
The hyperbolic roller profile ensures full line contact, rather than point contact, between the roller and the wire, minimizing wire marking and maximizing roller life.

Up to 40% lower energy consumption compared to equivalent systems, thanks to the use of roller straightening blocks in the spinner instead of dies.

The machine can operate unsupervised due to electronically controlled safety devices and the consistently high straightening quality achieved.

The machine is equipped with a flying shear cutter, ensuring uninterrupted operation while minimizing material stresses imposed on the wire during the cutting process.











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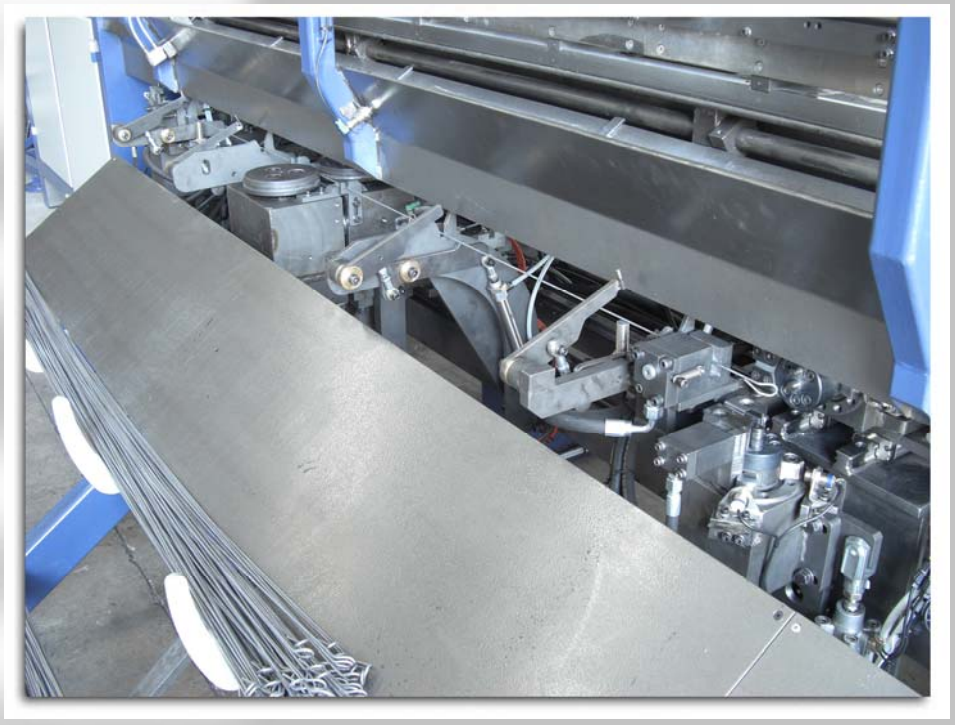









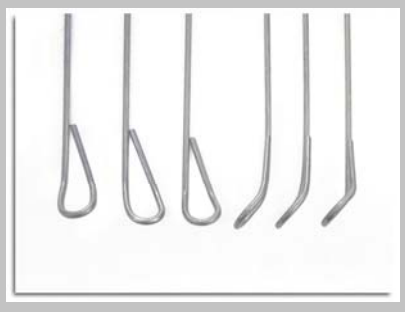

The “MS” measuring system with mechanical stop is manually adjustable for different wire lengths and offers high accuracy.

Easy repositioning of the bending heads allows quick adjustment for different product lengths.

Precision two-level bending heads are equipped with integrated grippers.

Heavy-duty wire-flattening rollers operate during the hook bending process and feature adjustable wire-flattening length.

A two-level collection table enables bundling and removal without interrupting machine operation.

The mechanical simplicity of the design ensures user-friendly operation, as well as consistent and continuous production.

Working Range		MBC 3-6 M	MBC 3-6 A
Wire Diameter Range < 1600 N/mm² UTS	mm	3-4,5	3-4,5
	in.	0.12-0.18	0.12-0.18
Wire Feeding Speed*	m/min	65	65
	ft/min	215	215
Max Cutting Lengths	m	4, 5, 6	4, 5, 6
	ft	14, 17, 20	14, 17, 20
Min Cutting Length	mm	1,5	1,5
	ft	5	5
Wire Cutting Accuracy	mm	±0.1	±0.1
	in.	±0.004”	±0.004”
Bending Cycle Time	sec	3	3,5
Hook Splay	% of wire Ø	30-40%	5-10%
Hook Angle		30°	45°
Wire Flattening Rollers		-	Yes Optional
Installed Power	kW	8.5	10

*Feeding speed calculated for high straightening quality < 1/1000

For your nearest
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