AMM SERIES

Fully Automatic Mesh Welding and Bending Lines
for the Production of Standard & Customized Mesh

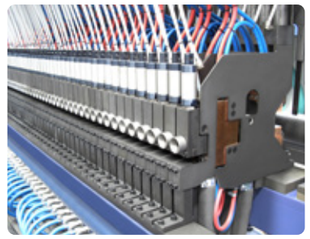
EUROBEND

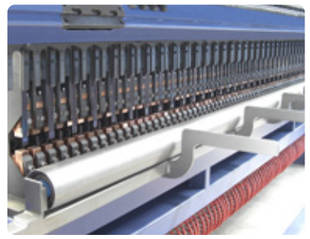
INNOVATION & HISTORY

AMM II

A CUTTING-EDGE MACHINE DESIGNED TO REVOLUTIONIZE MESH PRODUCTION FOR HOT AND COLD ROLLED MATERIAL WITH INSTANT DIAMETER AND MESH TYPE CHANGES

The AMM II is an innovative mesh welding system engineered to eliminate downtime and maximize efficiency. Designed for seamless operation, it enables effortless adjustments to wire coils, spacing, diameters, and mesh dimensions—ensuring uninterrupted production.





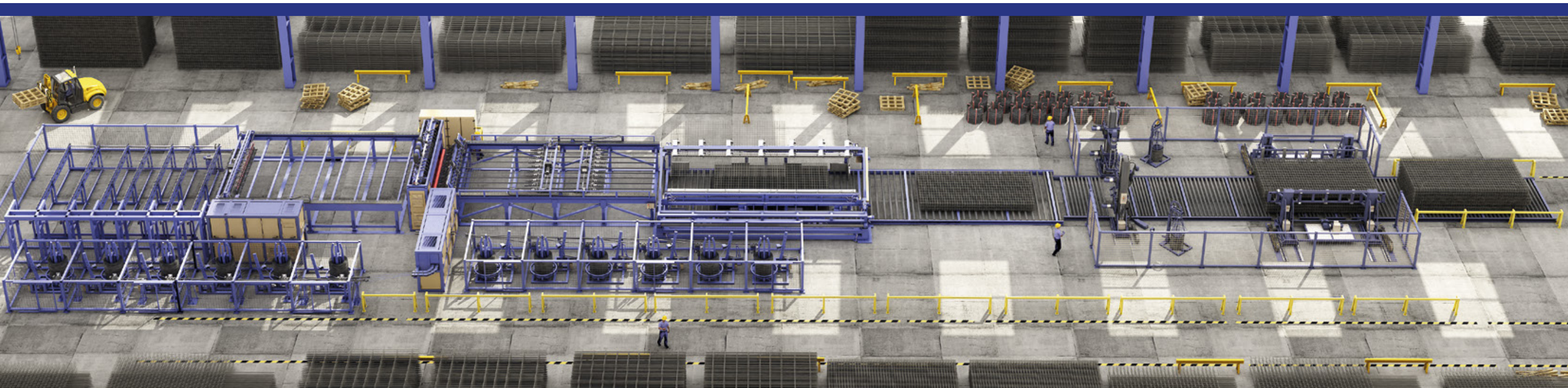
Equipped with full welding heads and twin-wire feeding for both line and cross wires, the AMM II synergizing with the Flexi-Line Twin series straightening machine, to deliver superior productivity, surpassing conventional mesh welding lines.

Versatility is at the heart of the AMM II, effortlessly processing cold- or hot-rolled materials ranging from 4mm to 20mm from coil. Its intelligent automation adapts to specific production requirements, including the ability to weld different line and cross-wire diameters within the same mesh. This capability allows for the creation of highly customized and diverse products.

Designed to handle both large-scale and small-batch production with ease, the AMM II facilitates consecutive order fulfillment without downtime. Its compact system layout optimizes floor space, making it an ideal choice for engineering and industrial mesh production.

The AMM II's double wire feeding, combined with Flexi-Line straightening and cutting machines, eliminates idle and changeover times, ensuring continuous operation and peak efficiency.

Enhance your mesh welding capabilities with the AMM II—unlock new production potential and experience unparalleled performance.

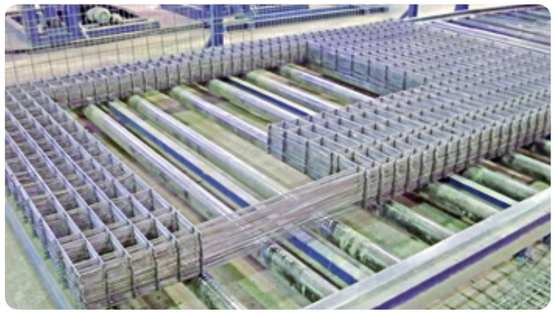


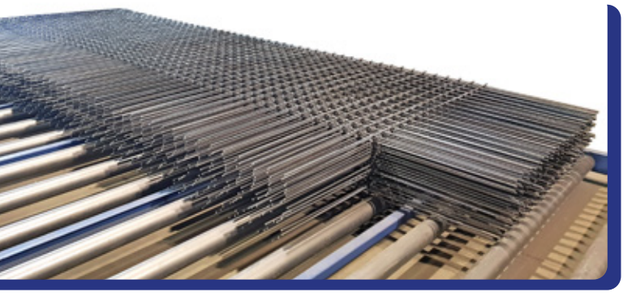
AMM I

THE ULTIMATE SOLUTION PROCESSING HOT AND COLD ROLLED MATERIAL FOR ALL YOUR ENGINEERING, CONSTRUCTION, AND CUSTOMIZED MESH PRODUCTION NEEDS

The AMM I is a state-of-the-art mesh welding system designed to deliver seamless and uninterrupted production for engineering, construction, and customized mesh applications, including mesh with openings for prefabricated concrete elements.

Whether producing large-scale batches or smaller custom orders, the AMM I ensures smooth, consecutive production without downtime.
At the core of its efficiency, are two patented, maintenance-free hyperbolic rotor straightening and cutting machines, capable of handling up to six different wire diameters.





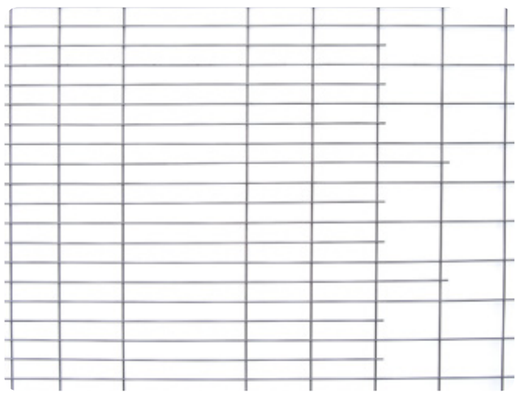
Utilizing advanced fifth-generation hyperbolic roller straightening technology, the AMM I supports up to six interchangeable coils, providing unmatched flexibility in material handling.

Each decoiling station features separate compartments, allowing for continuous coil feeding during operation, eliminating disruptions in the welding line.

The system's automatic convergence diameter-changing mechanism, seamlessly adapts to varying wire sizes, while the patented automatic coil-changing system enables the processing of multiple rebar diameters within the same mesh.

The AMM I, can produce instantly any type of mesh—without manual adjustments—offering maximum flexibility to meet diverse production demands.

Optimize your operations and eliminate idle time with the cutting-edge AMM I, powered by our advanced Flexi-Line Straightening and Cutting Machine. Experience unparalleled efficiency and precision in mesh production.

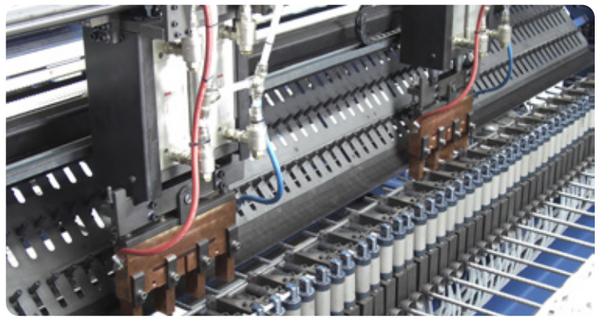


AMM XY

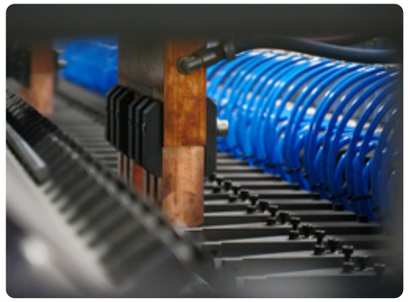
SINGLE OR DOUBLE Y-AXIS PROGRAMMABLE, SERVO-MOTOR DRIVEN WELDING HEAD CONFIGURATION

The AMM XY is an advanced mesh welding system designed for instant production of any mesh type without the need for manual adjustments. This is made possible by its uniquely engineered welding module, ensuring seamless operation and superior flexibility.

Featuring a single or double Y-axis programmable, servo-motor-driven welding head configuration, the AMM XY offers four (4) or eight (8) welding points, allowing you to scale output based on production demands. It effortlessly processes both cold and hot-rolled materials up to 20mm from coil, adapting automatically to varying specifications.



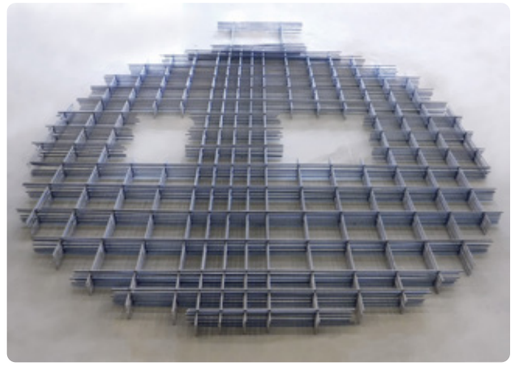
A key advantage of the AMM XY is its ability to weld different line and cross-wire diameters within the same mesh, providing unmatched customization. Programmable cross-wire placement, ensures that users can achieve multiple cross-wire spacing options within a single mesh, delivering a level of precision and versatility that sets it apart from conventional systems.



Designed with efficiency in mind, the AMM XY boasts a compact system layout, optimizing floor space while maintaining high productivity. Its intuitive operator interface and user-friendly software streamline operation, enhancing efficiency and reducing learning curves.

Offering both economic and high-output models, the AMM XY provides maximum flexibility without requiring changeover adjustments. Additionally, remote access via the Internet enables seamless troubleshooting and routine maintenance, ensuring uninterrupted performance and peace of mind.

Step into the future of mesh production using the AMM XY—where innovation meets efficiency to elevate your productivity to new heights.



INTEGRATED BENDING OPTIONS

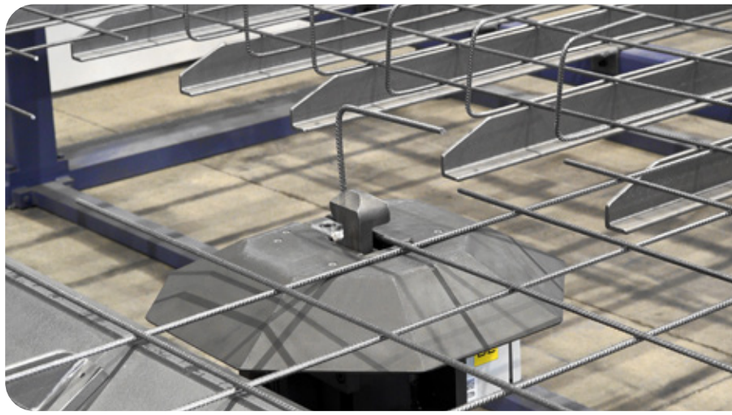
UNIVERSAL BENDING UNITS
FOR BOTH LINE AND CROSS WIRES

Our state-of-the-art precision bending system, features two integrated, in-line universal bending modules, capable of individually bending selected line and cross wires—both around the mesh perimeter and within its openings.

Combining sophisticated engineering, servo-driven technology, and advanced software, this system sets a new benchmark for technical excellence in the industry. With unparalleled precision, it executes two bends in just 2.5 seconds, ensuring consistently accurate bending geometry.

Designed for seamless, uninterrupted operation, the system enables simultaneous production and bending—while one mesh is being processed, the next is already in production. Thus, eliminating idle time, maximizing efficiency and ensuring a continuous workflow.

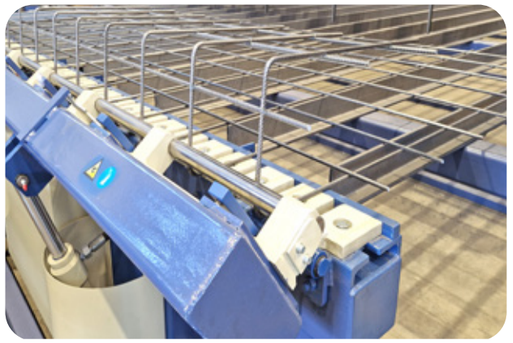
Attaining exceptional accuracy and high-speed performance, our integrated bending units redefine efficiency in mesh production. Experience the future of bending technology—where precision meets productivity.



AUTOMATIC IN-LINE MESH BENDING STATIONS FOR BOTH LINE AND CROSS WIRES

Our automatic in-line mesh bending systems are engineered to bend all cross wires and/or line wires simultaneously, enabling the efficient production of closed and U-shaped cages.

Equipped with customizable features such as, collection tables and laterally discharging conveyors with height adjustment, these stations ensure seamless, tailored operations that meet your specific production needs.

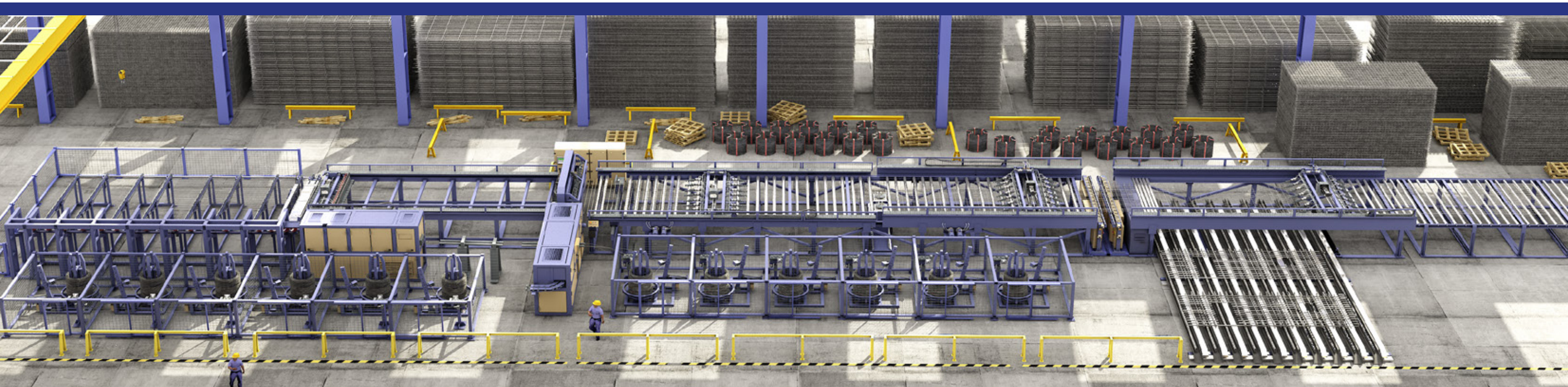


Transform and optimize your mesh production with our innovative bending solutions, designed for enhanced efficiency, precision, and adaptability.

Technical Characteristics

AMM Series	Working Range	XY AMM	XY II AMM	AMM I	AMM II
Welding Width	mm	3000, 3600, 4000, 5000*		2800, 3200, 3600, 4000	
Mesh Length	mm	6000, 9000, 12000			
Line Wire Feeding		Flexi-Line Rotor Straightener Up to Six Lines from Coil			
Cross Wire Feeding		Flexi-Line Rotor Straightener Up to Six Lines from Coil			
Line Wire Spacing	mm	50 above in steps of 50**		50 above in steps of 50	
Welding Points	Max.	4	8	57, 65, 73, 81	
Cross Wire Spacing	mm	50 Above Stepless			
Line Wire Diameters	mm	4-12, 5-16, 6-20		4-12, 5-16, 6-20	
Cross Wire Diameters	mm	4-12, 5-16		4-12, 5-16	
Line Wire Feeding Speed	(m/min)	60		100	180
Cross Wire Feeding Speed	(m/min)	60		100	180
Engineering Mesh		YES		YES	
Mesh with Openings		YES		YES	NO
Setup Time for Different Mesh Type		'0'		'0'	
Setup Time for Different Wire Diameters		'0'		'0'	
Working Speed	Welding Points/min	Up to 200	Up to 400		
	Cross Wires/min	Up to 30	Up to 40	Up to 50	Up to 80
Space Demand for Machine Producing Mesh up to 4m x 9m		12.5m x 38.5m			

* Additional welding widths available upon request
**Or optional 50 above in steps of 25



CUTTING EDGE TECHNOLOGY

Created By our Ingenious Research And Development Department

OUR SUPREME FEATURES

INNOVATION
FLEXIBILITY
SPEED
RELIABILITY
PRECISION
ERGONOMICAL DESIGN

EUROBEND GmbH
ADVANCED TECHNOLOGY PRODUCTS
Alexanderstr. 1, 90547, Stein, Nürnberg, Germany

+49 911 9498980
info@eurobend.com
www.eurobend.com