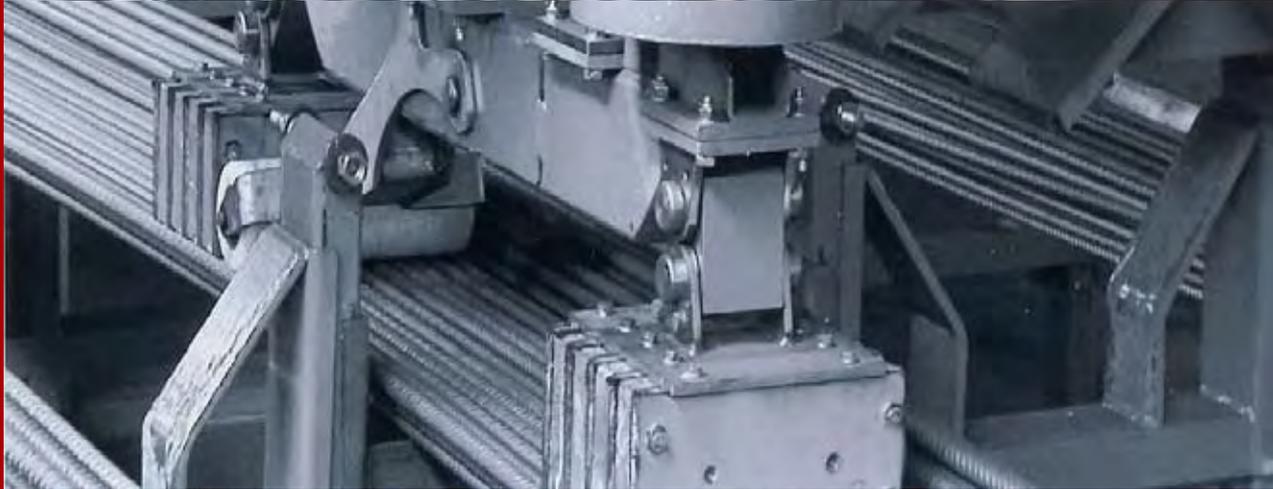


Reinforcing Steel Processing Machinery



2012



CONTENT

Coiled Wire Processing Machinery

- 1. Wire Straightening And Cutting Machine 2
- 2. Stirrup Bending Machine 3
- 3. Mesh Reinforcement Welding Line 4
- 4. Lattice Girder Welding Line 5
- 5. Cold Rolling Machine 6

Rebar Processing Machinery

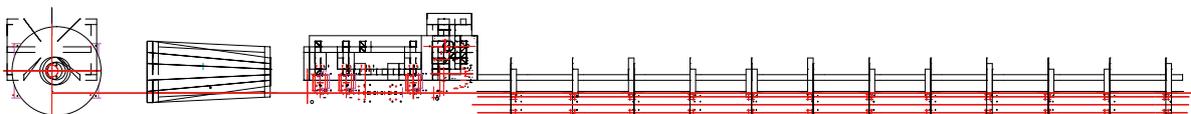
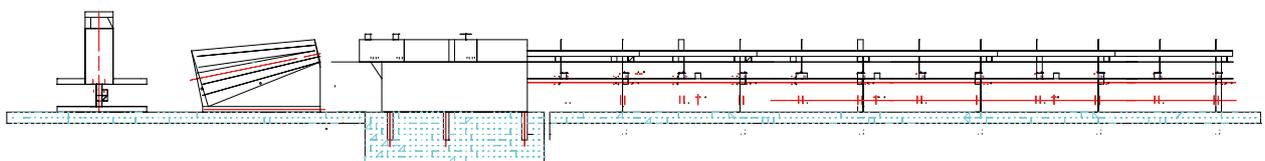
- 1. Rebar Shearing Line 7
- 2. Rebar Bending Line 8
- 3. Reinforcement Steel Cage Welding Line 9



Wire Straightening And Cutting Machine

- Used for production of straightened and cut to length bars with close tolerance and high accuracy of length.
- Processing of smooth and ribbed as well as cold and hot rolled material.
- High speed hydraulic cutting system.
- Operating console with programmer, display and piece counter.

Model	CMAX-SCM6	CMAX-SCM12	CMAX-SCM14	CMAX-SCM16	CMAX-SCM22
Wire diameter	2-6 MM	6-12mm	6-14mm	10-16mm	14-22mm
Cutting length	500-6000mm	800-12000mm	800-12000mm	1000-12000 mm	1000-12000 mm
Max. pulling speed	120m/min	180m/min	150m/min	90m/min	60m/min
Accuracy of length	±1mm	±1mm	±2mm	±2mm	±2mm

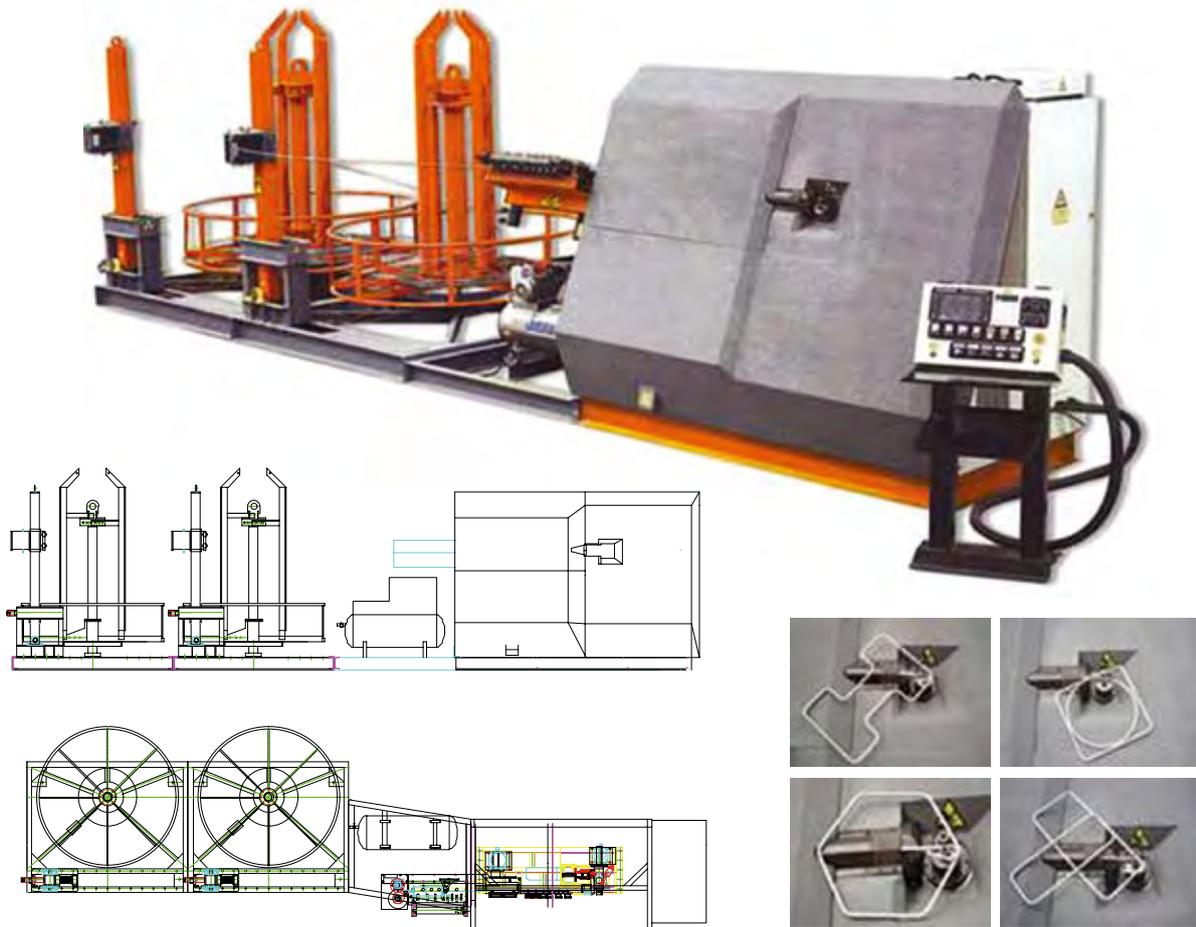




Stirrup Bending Machine

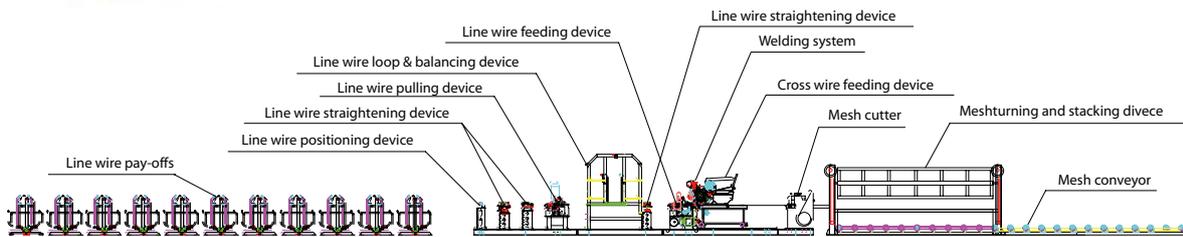
- Mainly used in straightening and bending reinforcing steel into stirrup, spiral etc used for concrete structures.
- High-performance automatic equipment driven by electrical servomotors.
- Most advanced technologies ensure unmatched productivity along with a minimum of maintenance required.

Model	CMAX-SBM12	CMAX-SBM14	CMAX-SBM16
Diameter of single wire	Φ 5 - 12 mm	Φ 6 - 14 mm	Φ 8 - 16 mm
Diameter of double wire	Φ 5 - 10 mm	Φ 6 - 12 mm	Φ 8 - 14 mm
Max bending angle	180°	180°	180°
Max bending speed	1400°/sec	1400°/sec	1400°/sec
Max pulling speed	110 m/min	110 m/min	100 m/min
Bending direction	bi-direction	bi-direction	bi-direction



Mesh Reinforcement Welding Line

- Specially designed for the mass production of standard and engineered mesh in sheet as well as reinforcing mesh sheets in small and medium-size.
- Suitable for processing cold and hot rolled as well as round and ribbed material.
- Adapted to customer-specific requirements, a wide variety of technical solutions can be offered to meet the various requirements in the production of welded mesh.
- CMAX-C: Line wire from coiled.
- CMAX-S: Line wire from pre-straightened and cut.

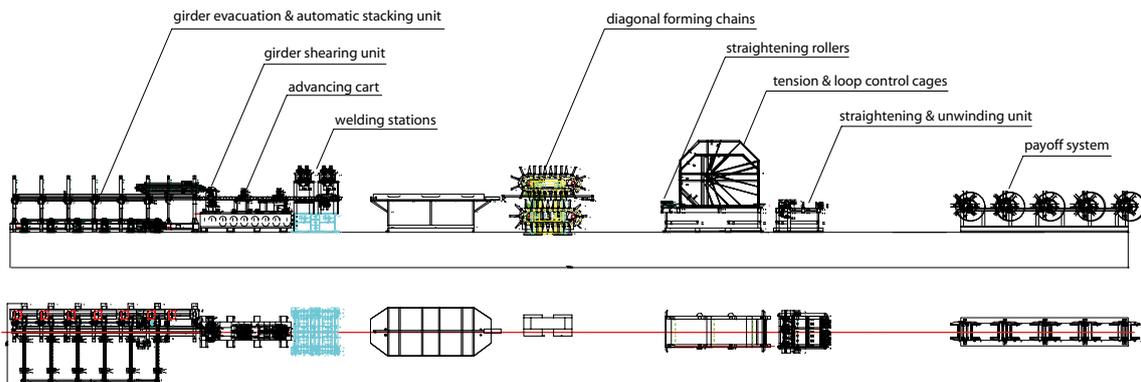
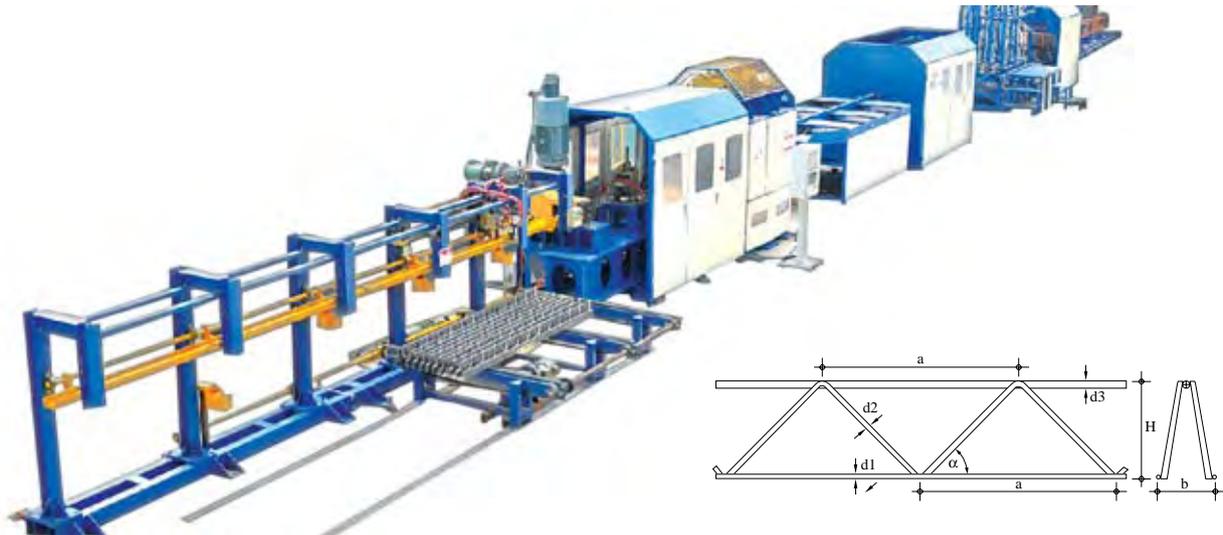


Model	CMAX-C	CMAX-S
Max. mesh width	1250,1650, 2050, 2400, 2600, 2800, 3300, 4000mm	
Line wire spacing	25,50,100,150,200,250,300,350,400,450,500mm	
Cross wire spacing	25-600mm	
Line wire diameter	1.5-6mm, 3-10mm, 5-12mm	
Cross wire diameter	1.5-6mm, 3-10mm, 5-12mm	
Welding capacity	12mm x 12mm	
Working speed	25-120 rows/min	
Related power	400-2000KW	



Lattice Girder Welding Line

- This machine is specially used for automatically massive production of wire lattice girder used in building projects such as high-speed railway, civil construction and so on.
- Integrated with de-coiling, straightening, bending, welding, cutting to length and products conveying functions, the whole line can be operated by one person easily.



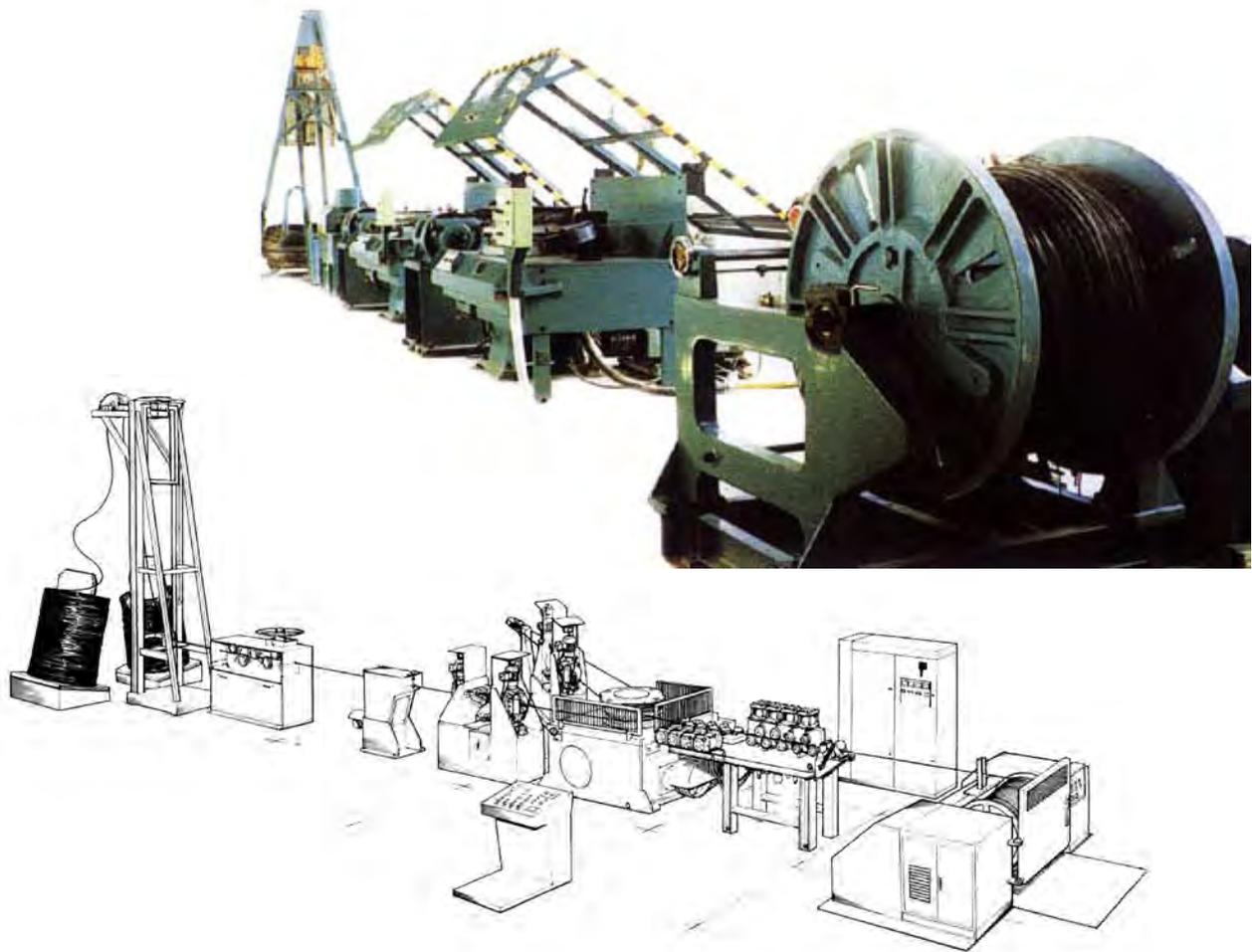
Model	CMAX300
Diagonal wire diameter	4-8mm
Longitudinal wire diameter (upper)	8-12mm
Longitudinal wire diameter (lower)	8-12mm
Girder height	50-320mm
Girder internal base width	50-150mm
Welding speed	12-30m/min
Length of girder	multiples of 200mm

Cold Rolling Machine

- For the production of cold rolled ribbed steel, round wire and wire for reinforcing mesh used in reinforcing concrete.
- Vertical drawing blocks and horizontal drawing blocks are optional.

Production process:

Coils → butt welded → descaling → lubricant applying → reduction rolling → ribbed rolling → stress relieving → spooler for finished wire.



Model	CMAX-CRM3	CMAX-CRM6	CMAX-CRM9
Diameter of inlet wire	5.5-14mm	5.5-14mm	5.5-14mm
Diameter of finished wire	5-12mm	5-12mm	5-12mm
Max.rolling speed	3m/s	6m/s	9m/s
Rated power	130kw	160kw	220kw



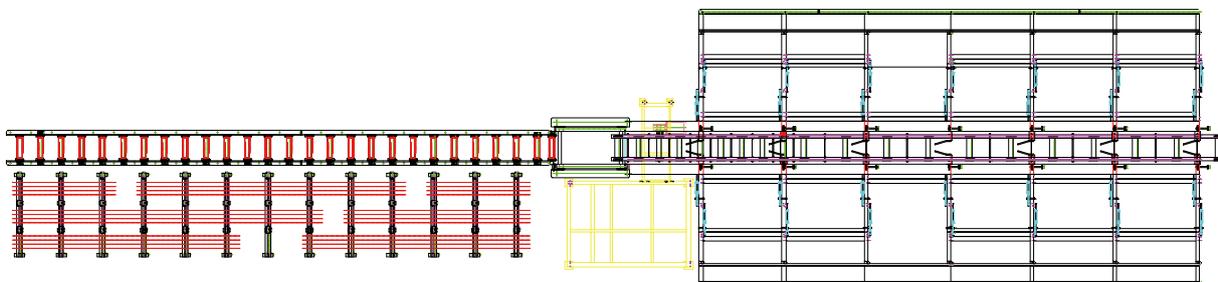
Rebar Shearing Line

- This line is suitable for automatic mass processing integrated with rebar measuring, cutting to length, unloading and storing.
- Hydraulically operated rebar shear line for maximum cutting capacity.



When composing a shear line, a series of choices need to be made that will determine the productivity and functionality of your plant. So the system dimensions, the number of tracks as well as the collection and routing stores are adopted according to the customers' requirements.

Model	CMAX-RSL150	CMAX-RSL300
Cutting capacity	1 x \varnothing 50mm	2 x \varnothing 50mm
	1 x \varnothing 40mm	4 x \varnothing 40mm
	4 x \varnothing 25mm	10 x \varnothing 25mm
	6 x \varnothing 20mm	12 x \varnothing 20mm
	10 x \varnothing 16mm	15 x \varnothing 16mm
	15 x \varnothing 12mm	20 x \varnothing 12mm
Shearing power	150T	300T
Cuts per minute	12--16	12--18
Control	by computer	by computer
Drive technology	Electric drive & hydraulic system	

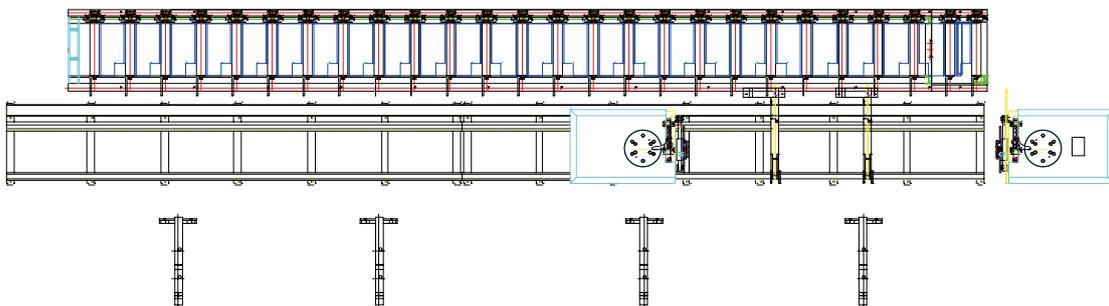


Rebar Bending Line

- Movable double-head bending for automatically rebar bending.
- Equipped with a computer able to program and memorize up to 999 shapes.
- The shaping centers allow fully automatic 4 directions bending and production of any type of shapes.
- The bar holding clamps allow independent operations of the two bending units ensuring time saving.



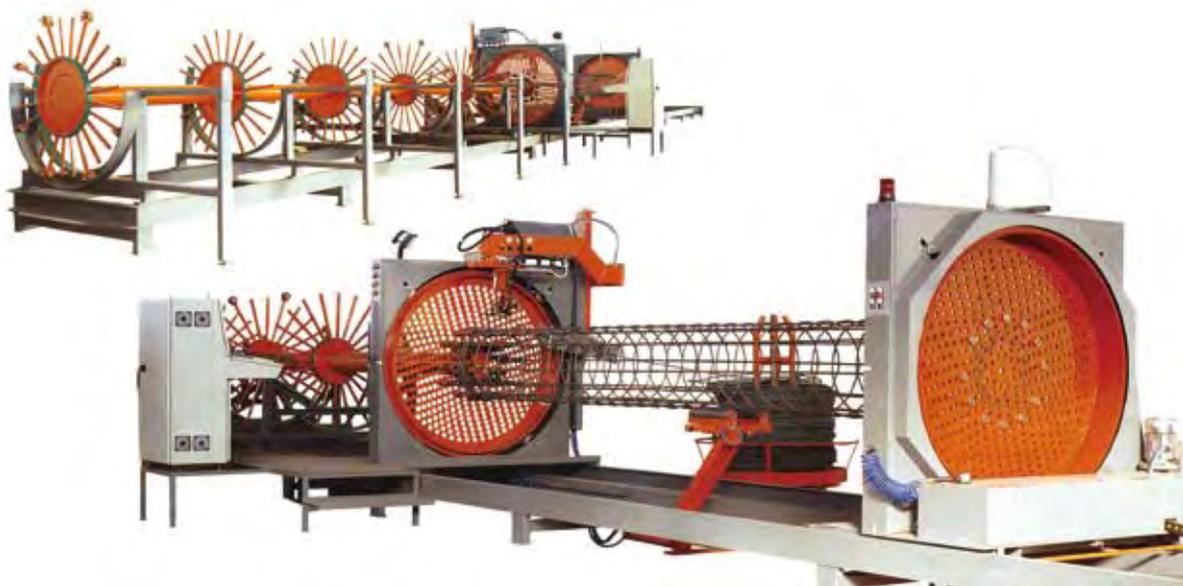
Model	CMAX-GW40	CMAX-GW50
Bending capacity	1 x \varnothing 40 mm	1 x \varnothing 50 mm
	2 x \varnothing 25 mm	2 x \varnothing 25 mm
	3 x \varnothing 20 mm	4 x \varnothing 20 mm
	4 x \varnothing 16 mm	5 x \varnothing 16 mm
	5 x \varnothing 12 mm	6 x \varnothing 12 mm
Max. bending angle	180°	180°
Control	By computer	
Drive technology	electric drive and hydraulic system	





Reinforcement Steel Cage Welding Line

- Widely used for cylindrical and prismatic piles with welded spiral and programmable pitch in building projects.
- Simple and efficient feeding system and functioning cycle.
- It is equipped with payoff, dial for the longitudinal bars, hydraulic cage supports, 1 fix and 1 mobile bored plates, electronic console to control plate rotation.
- Only one operator is required to run several machines or to engage in other operations during the cage execution time.



Model	CMAX-WCM1000	CMAX-WCM1500	CMAX-WCM2000	CMAX-WCM2500
Diameter of cage	200-1000mm	300-1500mm	500-2000mm	500-2500mm
Length of cage	12-24m	12-24m	12-24m	12-24m
Diameter of spirals	6-12mm	6-14mm	6-16mm	6-16mm
Spiral pitch	50-500mm	50-500mm	50-500mm	50-500mm
Diameter of Longitudinal rebar	10-30mm	12-32mm	12-40mm	12-40mm
Average power consumption	4kw/h	6kw/h	8kw/h	10kw/h