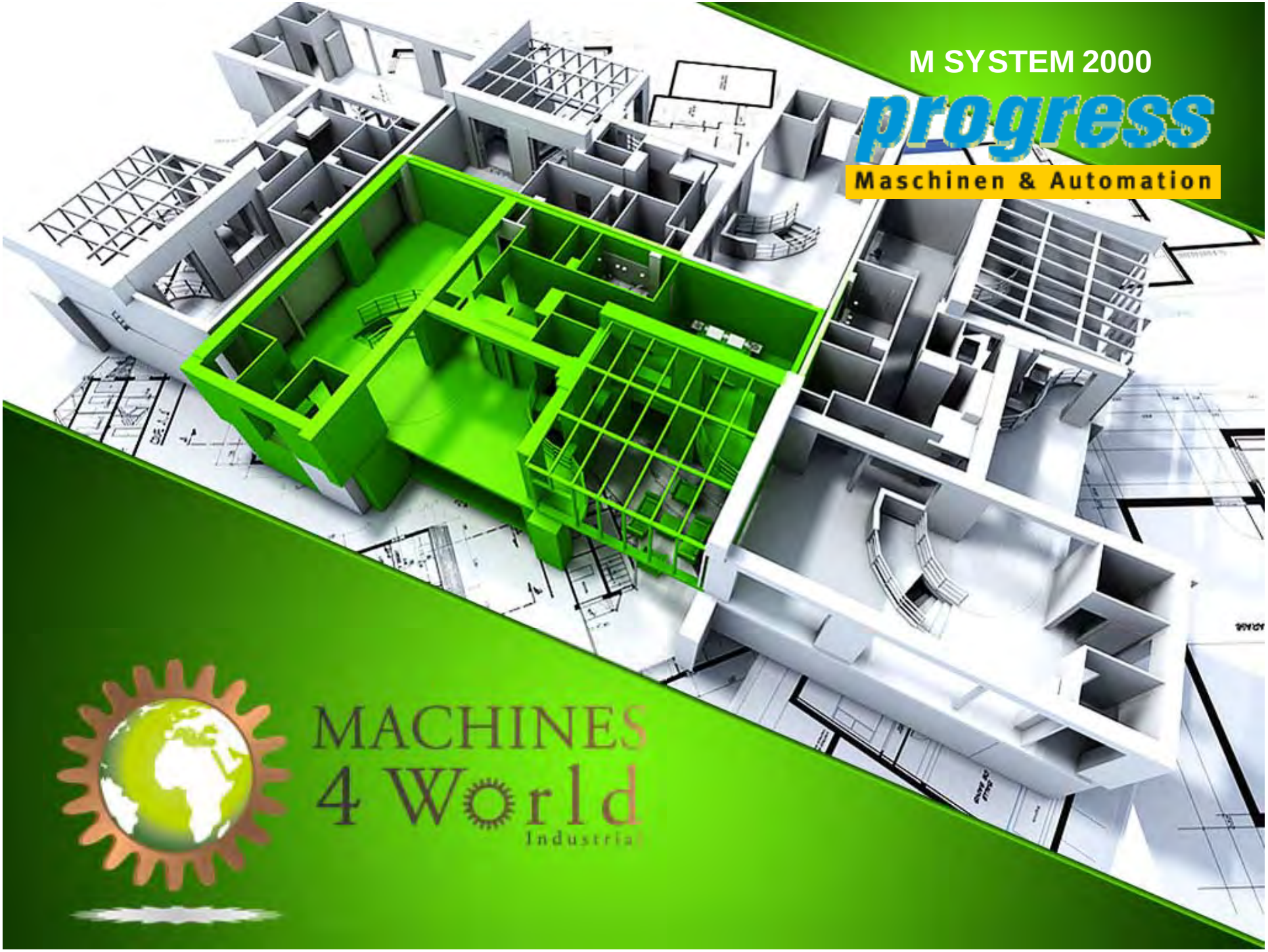
M SYSTEM 2000
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Maschinen & Automation
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4 World
Industrial

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Mesh welding plant

Unlike industrial mesh plants, which are designed to produce large volumes of the same mesh type in long production runs, Evolution has been conceived for the just in time CAD-controlled fabrication of made to measure mesh, with line and cross wires at variable centers in any combination of diameters, in irregular shapes and with block outs for doors and windows if required.

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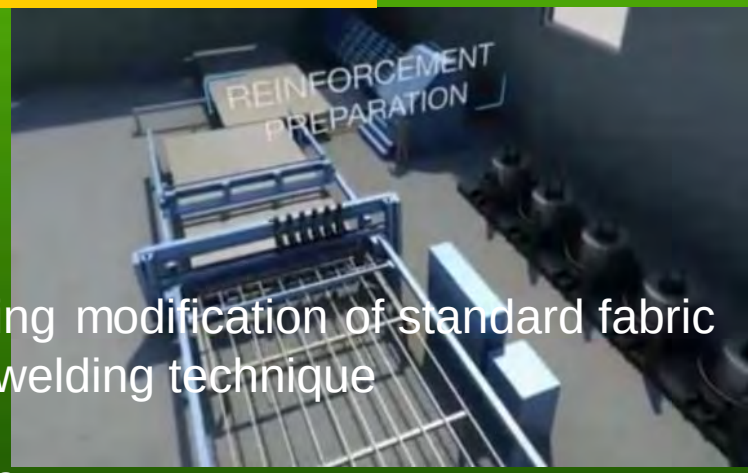
Mesh welding plant



FEATURES

- modular system for perfect customization
- fully automated plants with various output levels
- elimination of scrap, no expensive, time-consuming modification of standard fabric
- extremely low connected loads through inverter welding technique
- variable centers
- variable line and crosswire diameters from 4 – 20 mm
- mesh labeling if required
- customized mesh handling systems
- automatic stacking equipment
- handling systems for the placing of mesh in carrousel production pallets

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Mesh welding plant

FEATURES

- Modular system for perfect customization
- Fully automated plants with various output levels
- Elimination of scrap, no expensive, time-consuming modification of standard fabric
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- Variable line and crosswire diameters from 4 – 20 mm
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- Handling systems for the placing of mesh in carrousel production pallets

Inverter welding system

Automatic labelling

Mesh stacking

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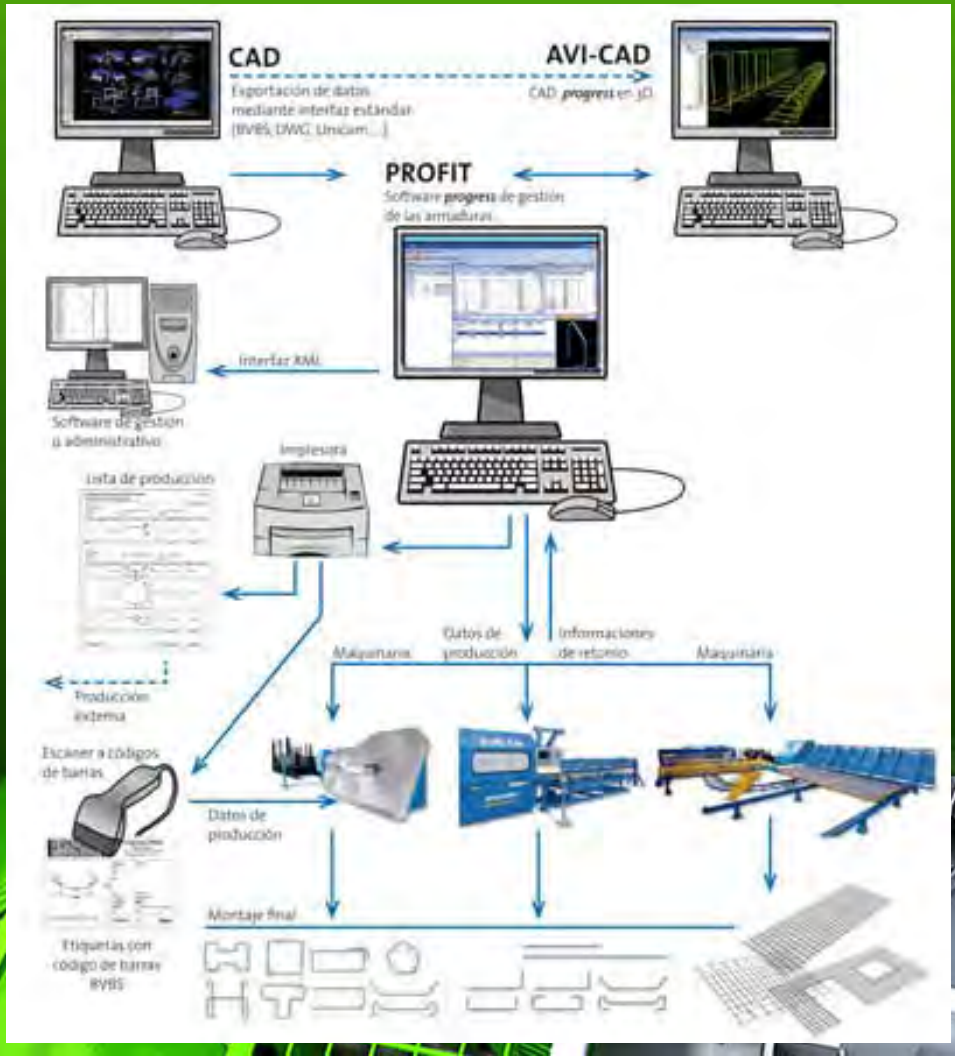
Mesh welding plant

COMMUNICATIONS & SOFTWARE



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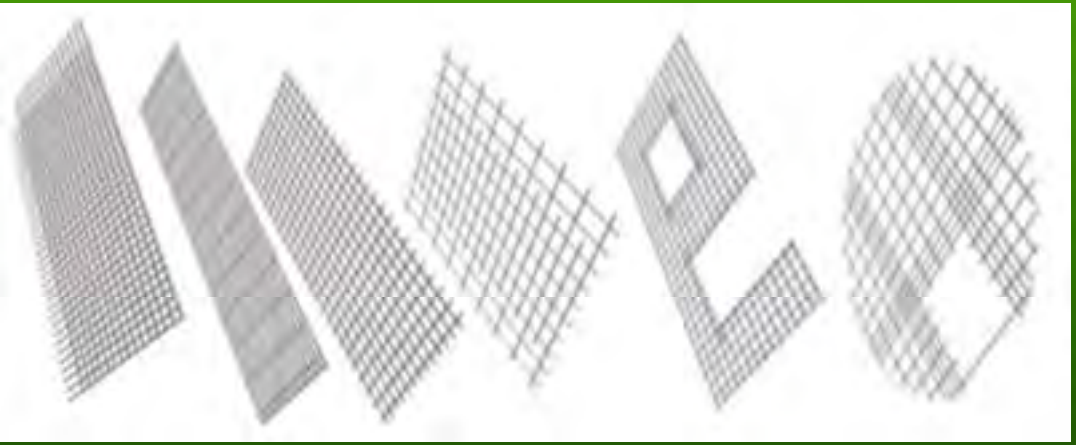
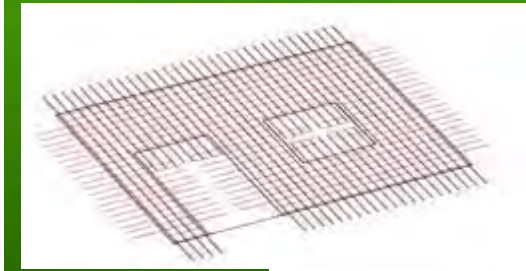
FINAL PRODUCTS EXAMPLES





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M SYSTEM 2000

progress

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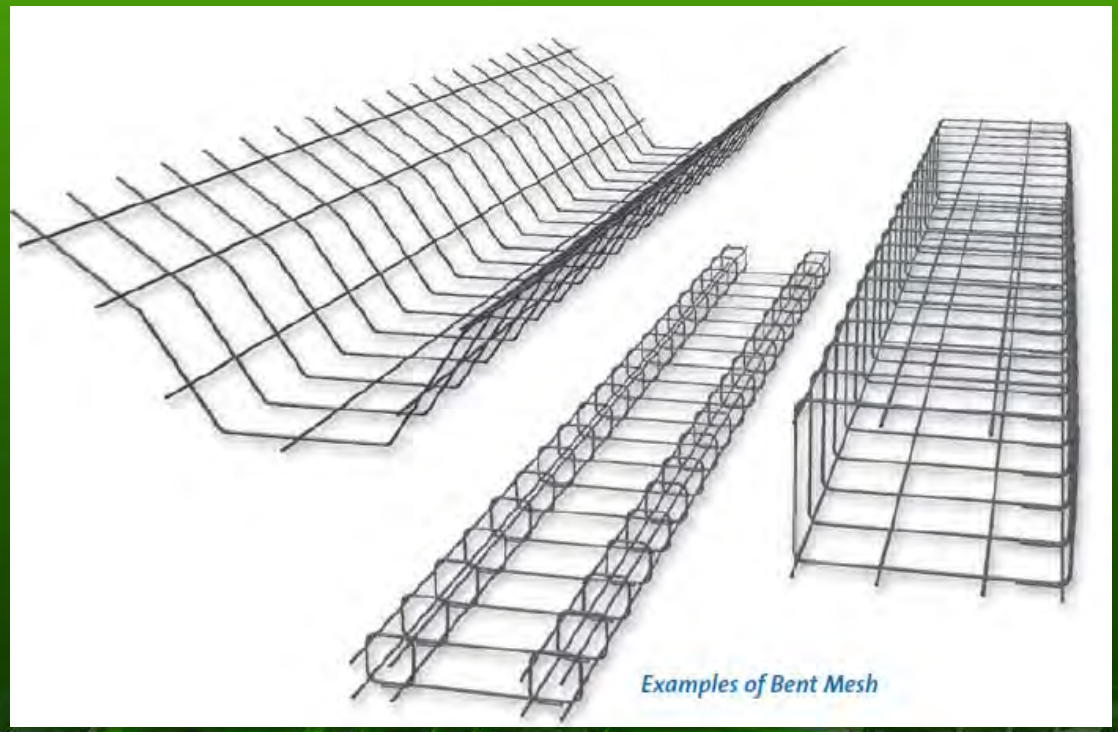
FINAL PRODUCTS EXAMPLES



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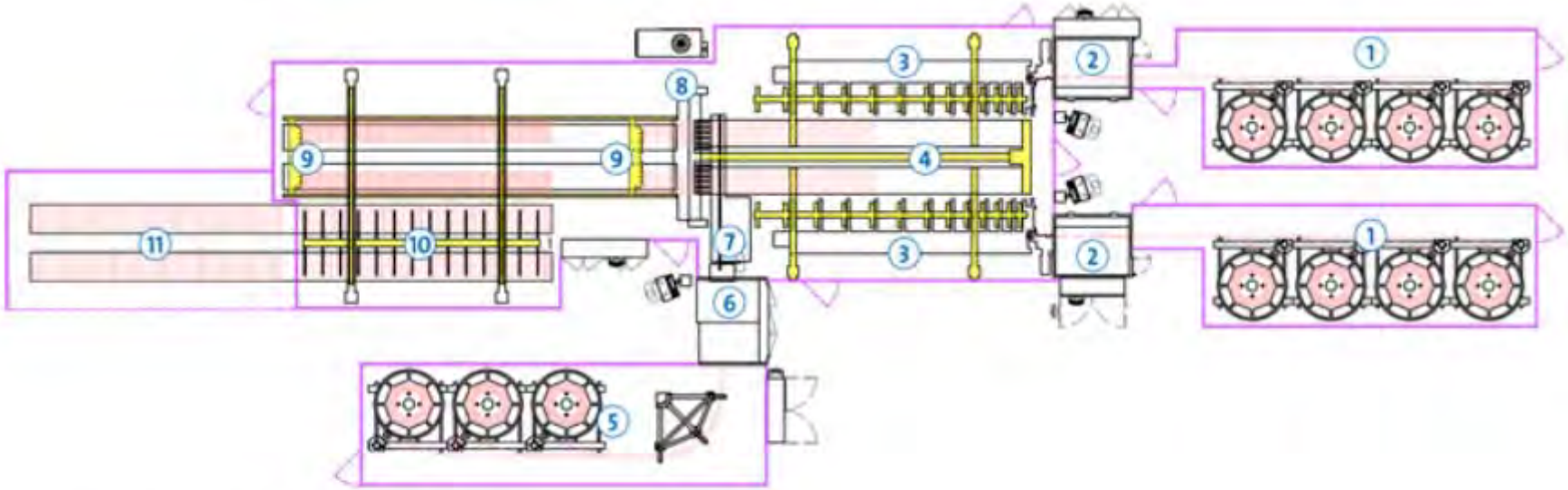
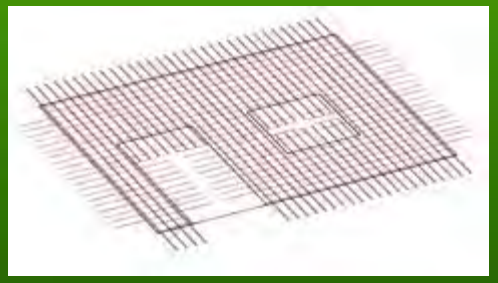


1. Pay-off for line wire production
2. Rotary straightener & cutter for line wires
3. Run-off
4. Line wire feed
5. Pay-off for crosswire production
6. Rotary straightener & cutter for crosswires
7. Crosswire feed
8. Resistajnce spot welding robot
9. Linear pullout
10. Mesh handling equipment (lateral transport)
11. Mesh stack conveyor

M SYSTEM 2000

MESH BENDING

Automatic mesh bender



Phase 1
The first mesh layer of a cage is produced automatically

Phase 2
Automatic bending systems bend the flying ends over to form the base of a cage.
A second layer of mesh can be placed on top to create 3-D reinforcement for large area precast products.

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MESH BENDING

Automatic mesh bender

- **Added features**

Handling robot

Forming the entire sheet of mesh

Single wire bending

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For the production of:

1. **reinforcement for manhole covers**
2. **reinforcement for tunnel segments**
3. **cages for lightweight concrete products**

M-System with grid pallets

M-System for solid walls

Reinforcement for tunnel segments

M SYSTEM 2000

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PLANT STATUS PHOTOGRAPHS

M-SYSTEM 2000 AUTOMATIC INSTALLATION FOR STEEL MESH AND CAD-CAM BENDING MACHINE MADE TO MEASURE PRODUCTION

Manufacturer: PROGRESS MASCHINEN & AUTOMATION - ITALIA
It works the rolled corrugated steel. Exclusive machine , made to order. Does not exist in the market another machine with these features by what their development is unique. So much so that there is a section of exclusivity for two years in the area of our commercial influence in the offer made.

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PLANT STATUS PHOTOGRAPHS

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M SYSTEM 2000

PLANT STATUS PHOTOGRAPHS

- **PRICE & CONDITIONS:**

M SYSTEM 2000 by PROGRESS.

Purchase date: 11-02-2.008.

Acquisition price (new):1.509.478 €, VAT not included

SALE PRICE: PLEASE, ASK US

MSR –ARV 16/6-2BK/ 1 TW

progress

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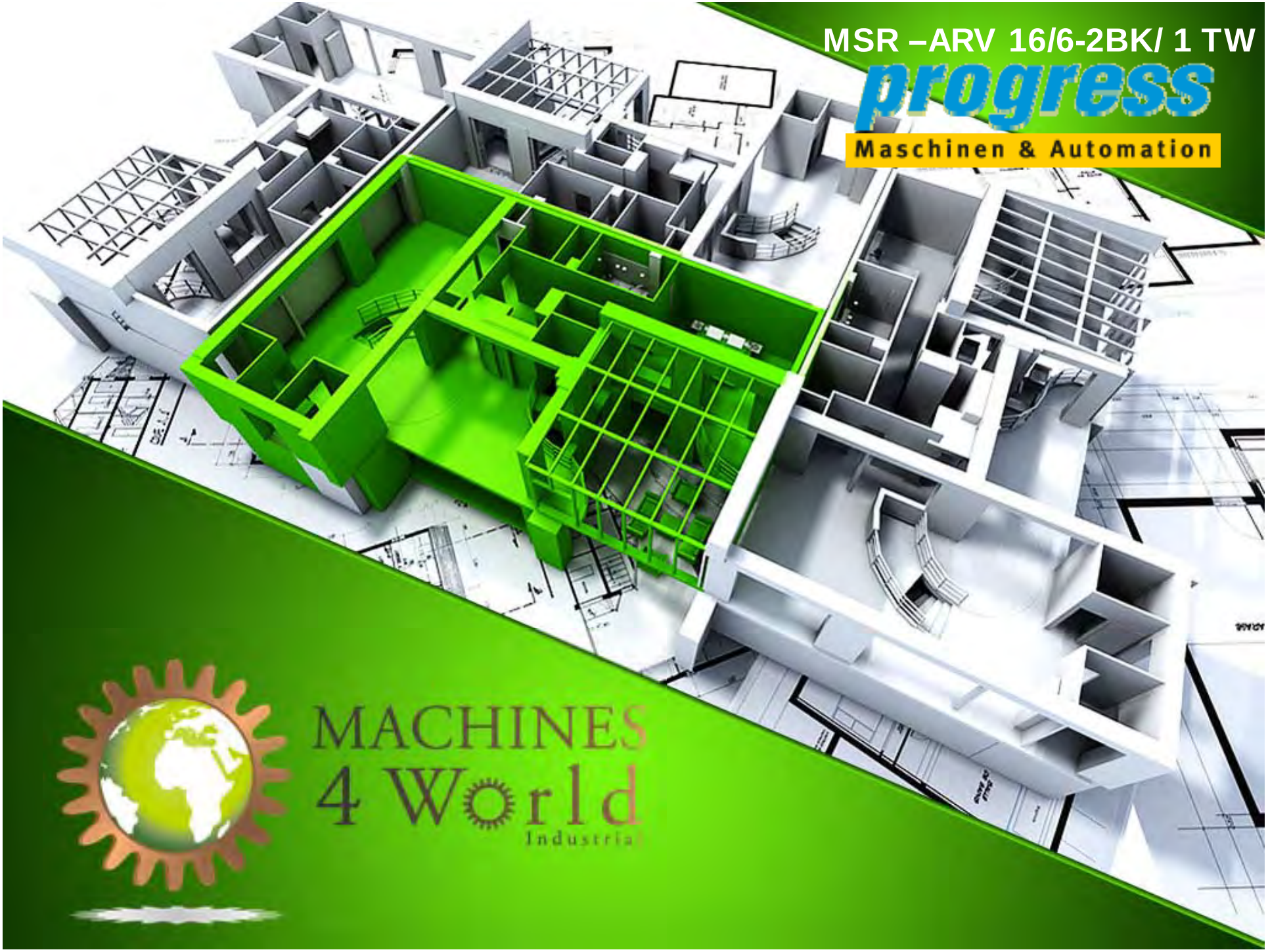

MACHINES 4 World

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MSR –ARV 16/6-2BK/ 1 TW

progress

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STRAIGHTENER & CUTTER MSR – ARV 16/6 - 2BK/ 1 TW.

Manufacturer: PROGRESS MASCHINEN & AUTOMATION – ITALIA

The ability to process steel of vastly varying quality and still achieve consistent results is of overriding importance. **Progress** rotor straightening technology assures constant straightening results and exceptional processing quality of all steel types in compliance with even the most severe standards.

We can also offer you a large variety of customized solutions for efficient material handling.

MACHINES 4 World

MSR –ARV 16/6-2BK/ 1 TW

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CHARACTERISTICS

• Wire diameter range	6-16 mm.
• Diameter changeover	completely automatic in 6 secs. approx.
• Connected load	3 x 400 V – 50/60 Hz
• Number of pay-offs	6
Type of pay-offs	RMF 5000 - 6 (Driven and braked in sync with wire feed).
Max. coil weight	5.000 kg.
Vario-rotor	YES
• Flying shear	YES
• Max. wire feed speed	140 m/min

Flying shear

Tying system

Material collecting carriage

MACHINES 4 World

MSR –ARV 16/6-2BK/ 1 TW

PLANT STATUS PHOTOGRAPHS

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MSR –ARV 16/6-2BK/ 1 TW

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MSR –ARV 16/6-2BK/ 1 TW

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MSR –ARV 16/6-2BK/ 1 TW

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MSR –ARV 16/6-2BK/ 1 TW

PLANT STATUS PHOTOGRAPHS

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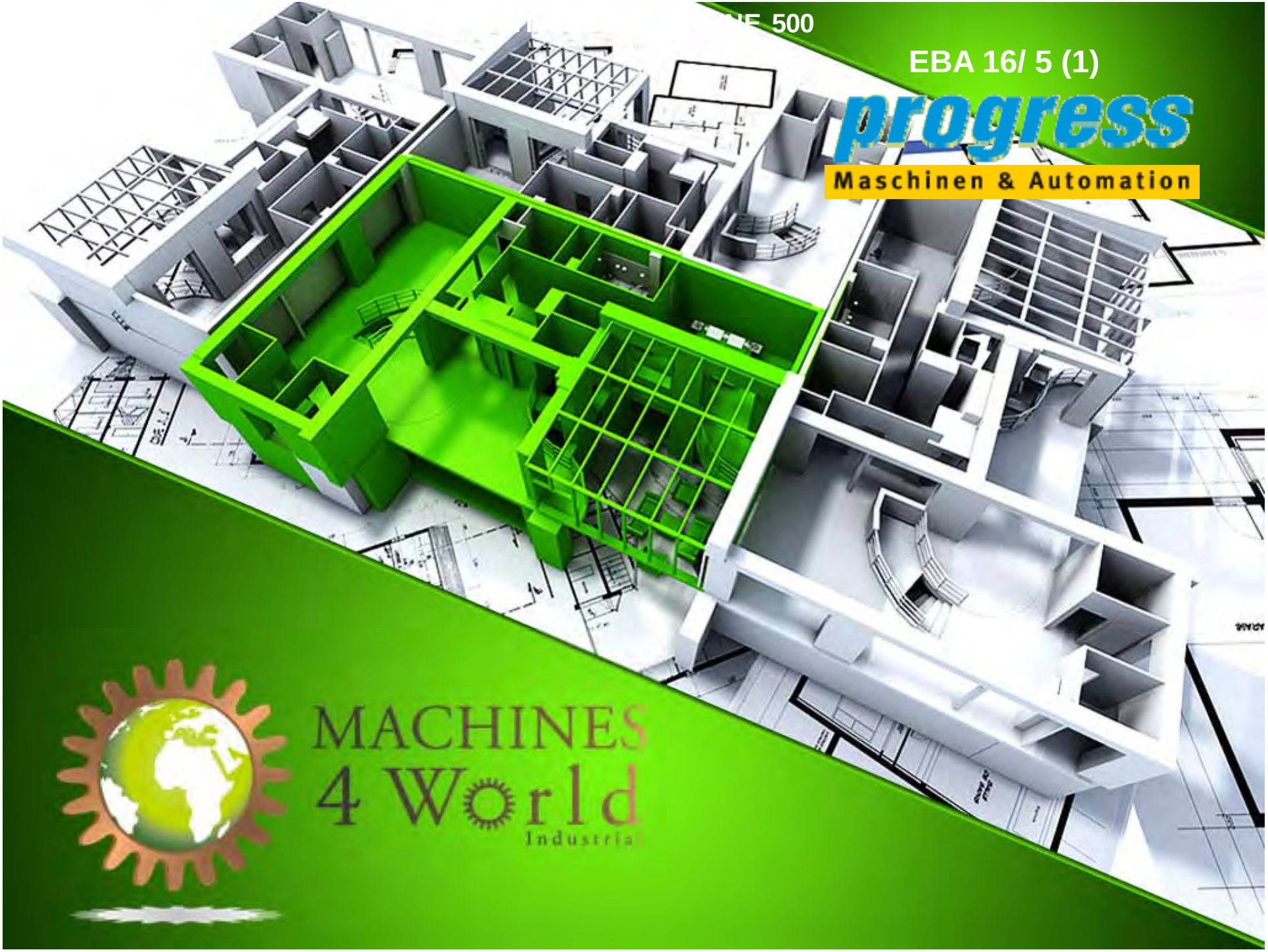
MSR –ARV 16/6-2BK/ 1 TW

PRICE AND CONDITIONS:

#4 STRAIGHTENER & CUTTER MSR – ARV 16/6 -2BK/ 1 TW.

Purchasing date : 11-02-2.008. Few working hours.
Machine acquisition price (new) : 623.380 € , VAT not included

SALE PRICE: PLEASE, ASK US.


NE 500
EBA 16/ 5 (1)
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EBA 16 / 5

progress
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- EBA S
- Latest generation of high performance link benders is both economical to operate and to maintain. On request the EBA S series can be equipped with automatic diameter changeover and straightening roller adjustment. In addition, linking up with a run-off further increases the production potential of the machine.

EBA 16 / 5

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CHARACTERISTICS

	EBA S 12	EBA S 14	EBA S 16
Wire diameter range single strand processing	5-12 mm	5-14 mm	5-16 mm
Wire diameter range twin strand processing	6-10 mm	6-10 mm	6-12 mm
Automatic diameter changeover	Optional	Optional	Optional
Automatic straightening roller adjustment	Optional	Optional	Optional
Run-off	Optional	Optional	Optional

EBA 16 / 5

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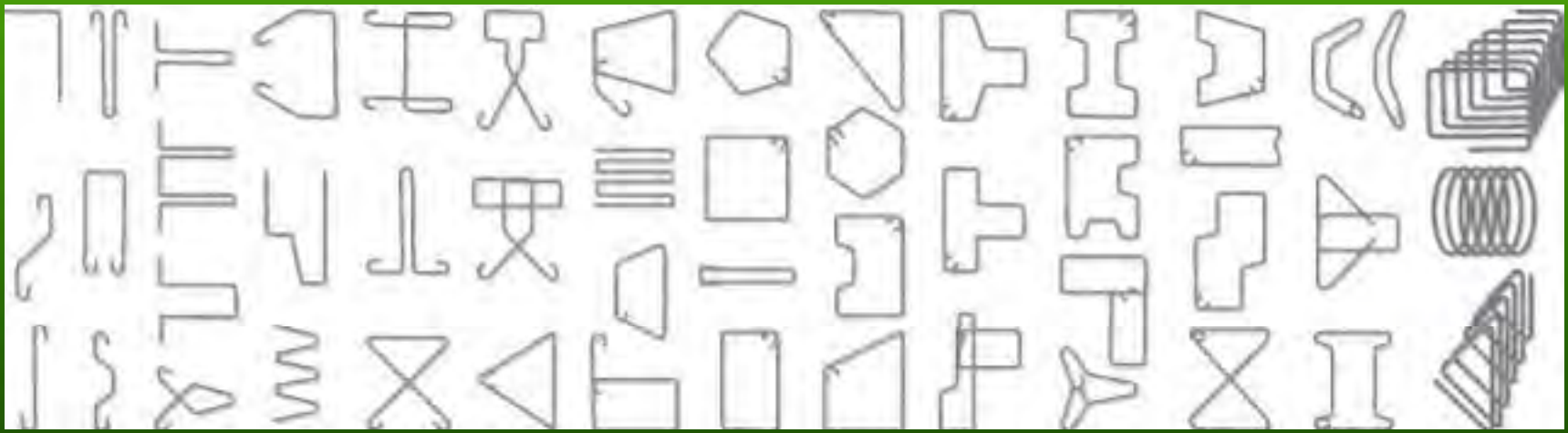
PRODUCTS



EBA 16 / 5

PLANT STATUS PHOTOGRAPHS

AUTOMATIC LINK BENDER EBA 16/5
Manufacturer: PROGRESS MASCHINEN & AUTOMATION – ITALIA

Automatic link bender machine for bend and column rebar manufacturing.

This type of machines exists on the market from other manufacturers. Its peculiarity lies in the automatic change of diameters to straighten and the automatic regularization of the straightening, characteristics that make it unique in the market.

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M SYSTEM 2000

PLANT STATUS PHOTOGRAPHS

MACHINES 4 World

industries

M SYSTEM 2000

PLANT STATUS PHOTOGRAPHS

PRICE AND CONDITIONS:

AUTOMATIC LINK BENDER EBA 16/5
Purchasing date : 11-02-2.008. Few working hours.
Acquisition price (new) : 165.000 €, VAT not included

SALE PRICE:PLEASE, ASK US.