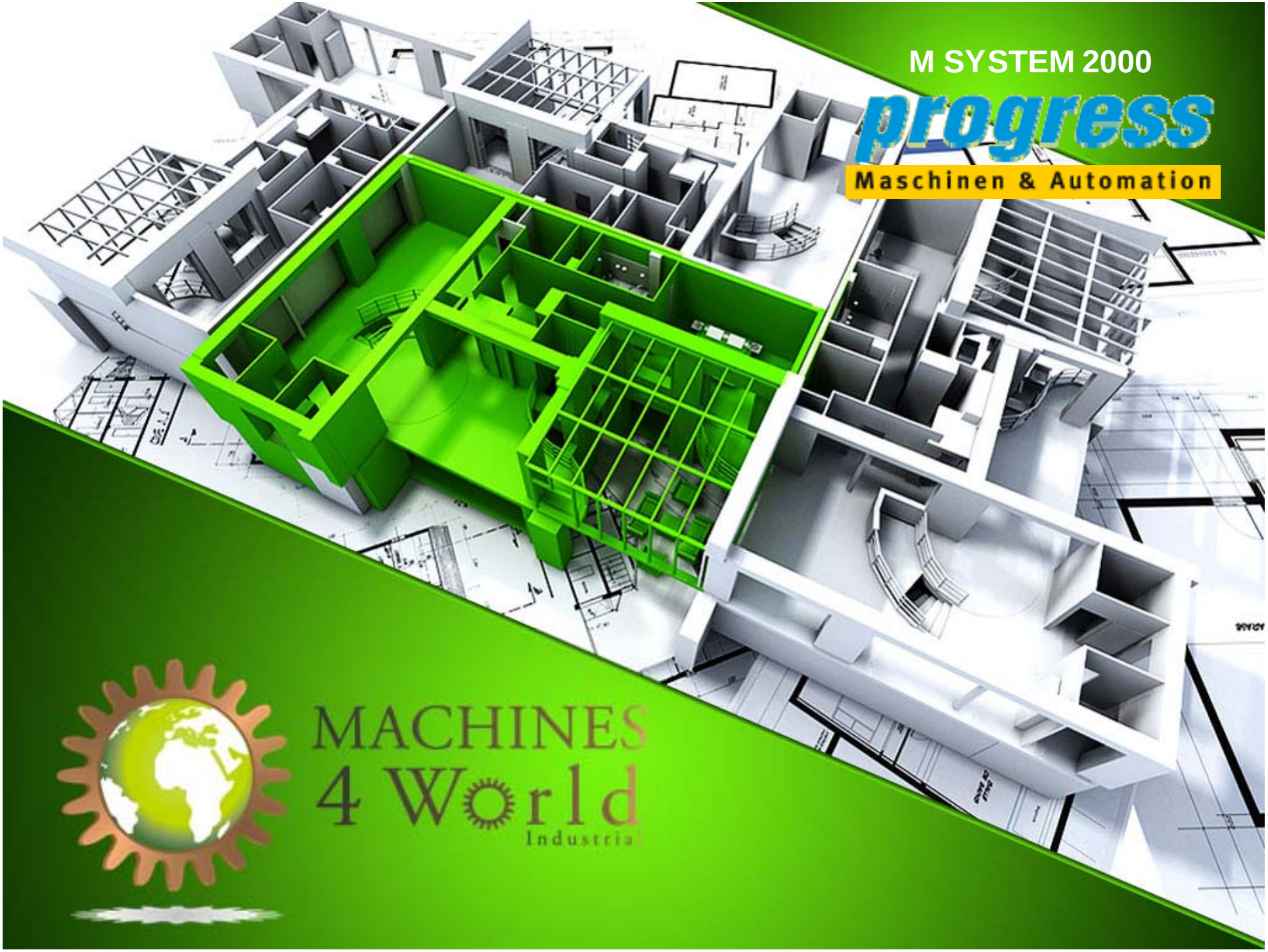
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Mesh welding plant

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

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Inverter welding system

Automatic labelling

Mesh stacking

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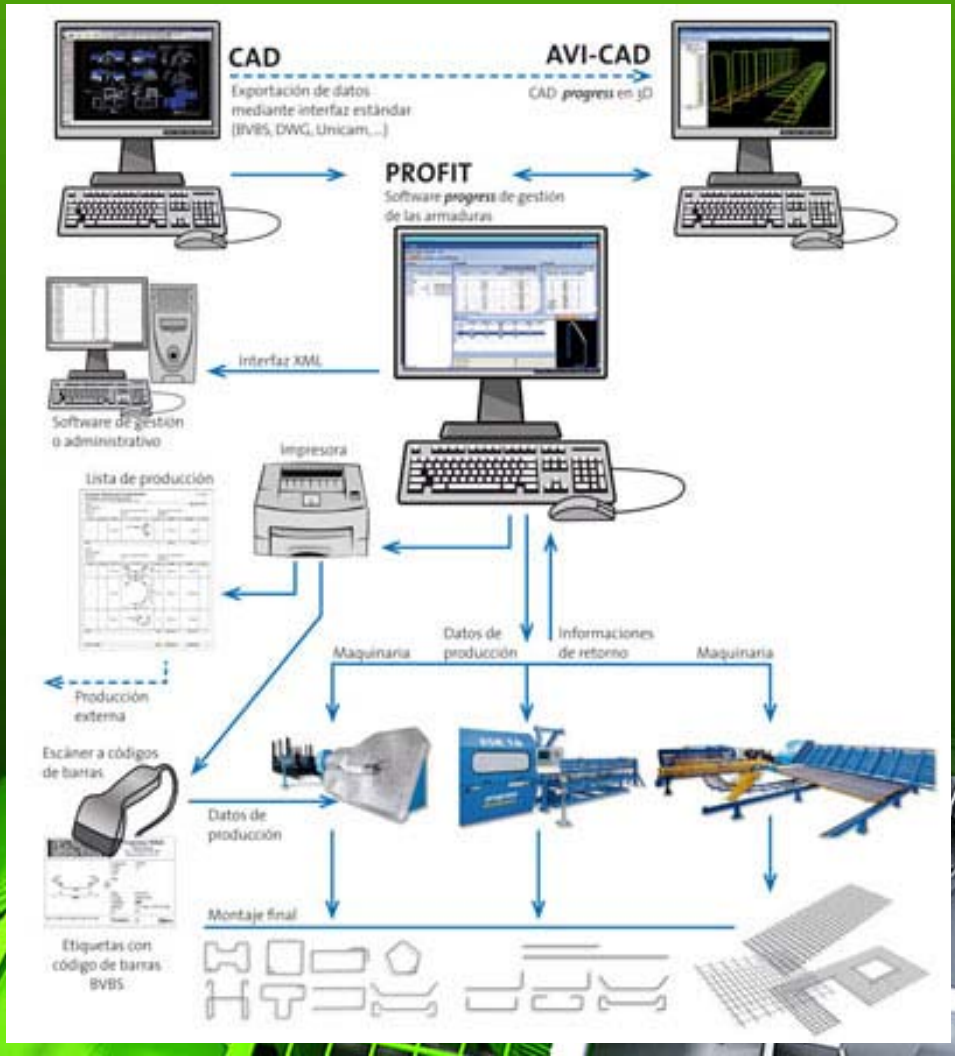
Mesh welding plant

COMMUNICATIONS & SOFTWARE



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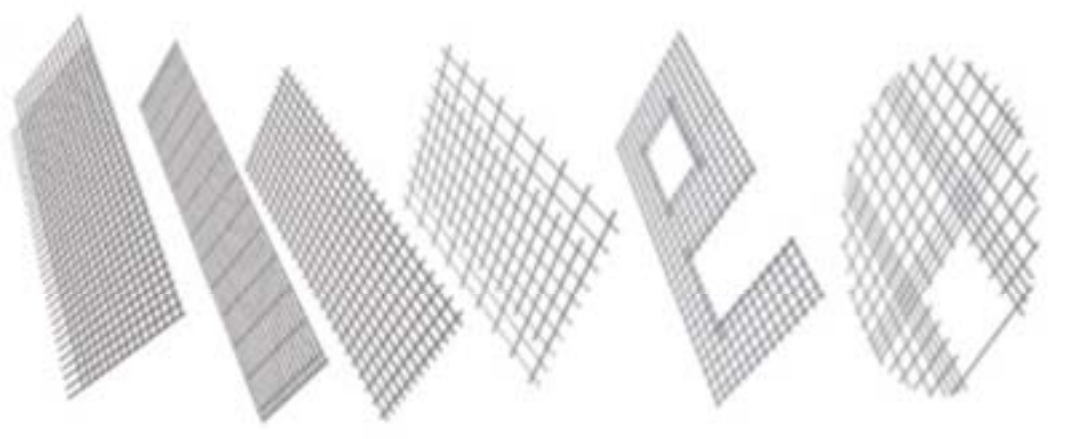
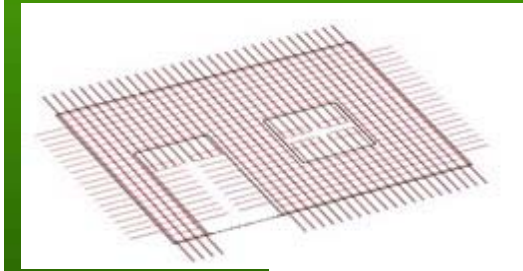
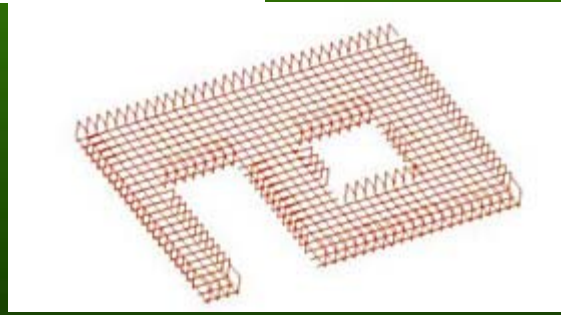
FINAL PRODUCTS EXAMPLES







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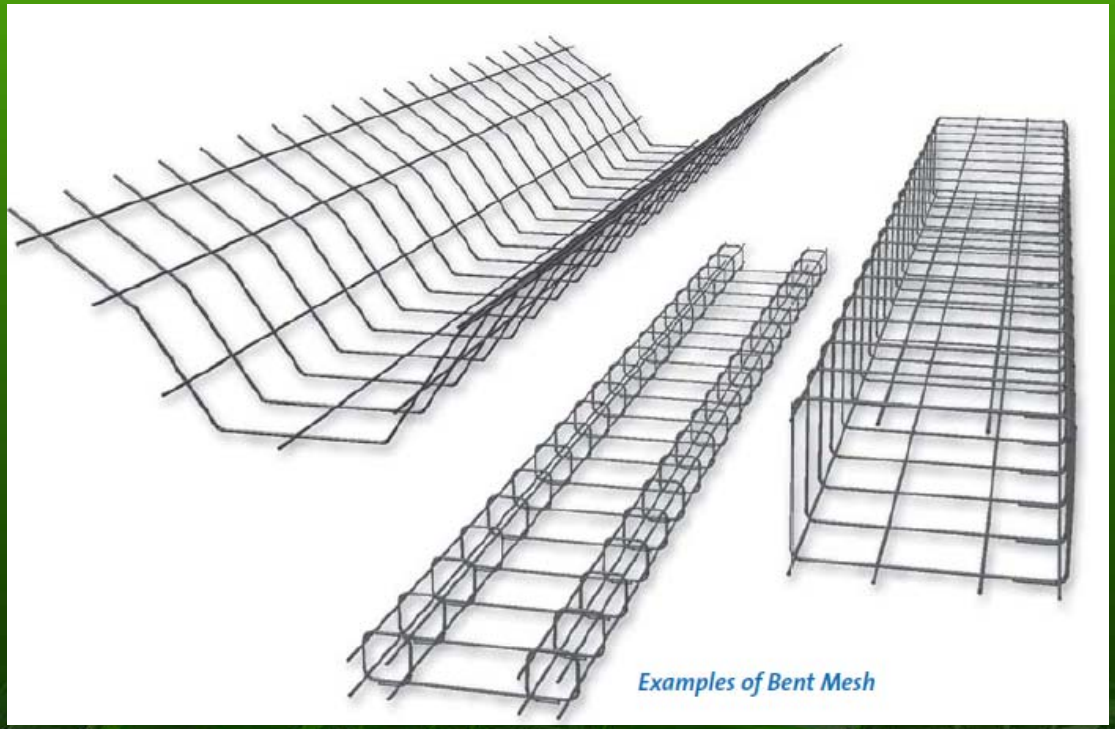
FINAL PRODUCTS EXAMPLES



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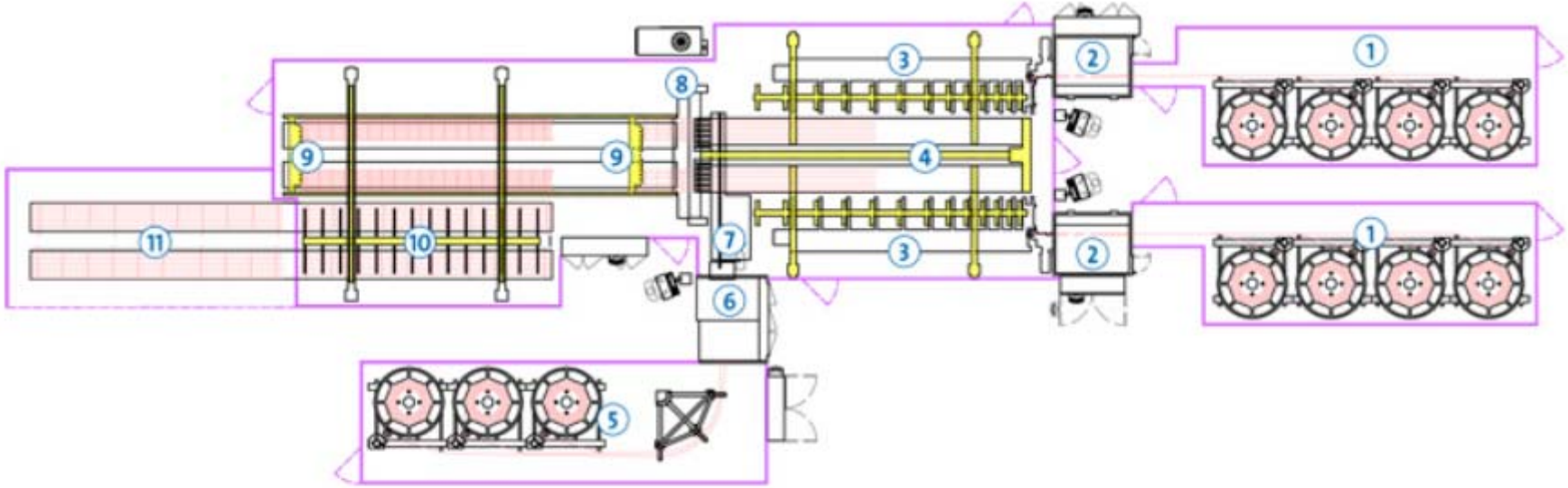

1. Pay-off for line wire production
2. Rotary straightener & cutter for line wires
3. Run-off
4. Line wire feed
5. Pay-off for crosswire production
6. Rotary straightener & cutter for crosswires
7. Crosswire feed
8. Resistajnce spot welding robot
9. Linear pullout
10. Mesh handling equipment (lateral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

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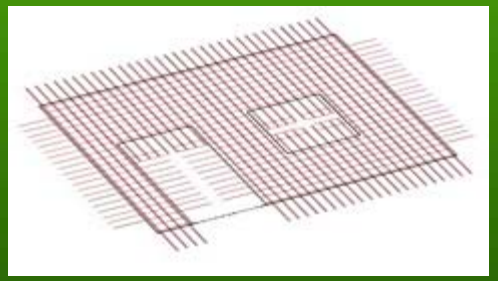
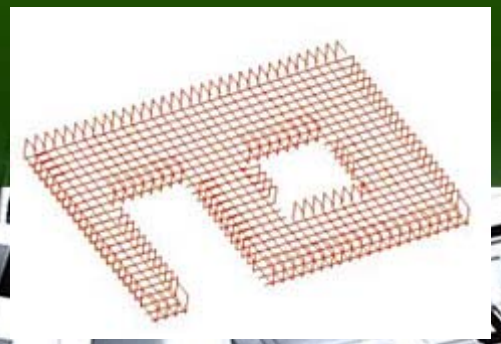
MESH BENDING

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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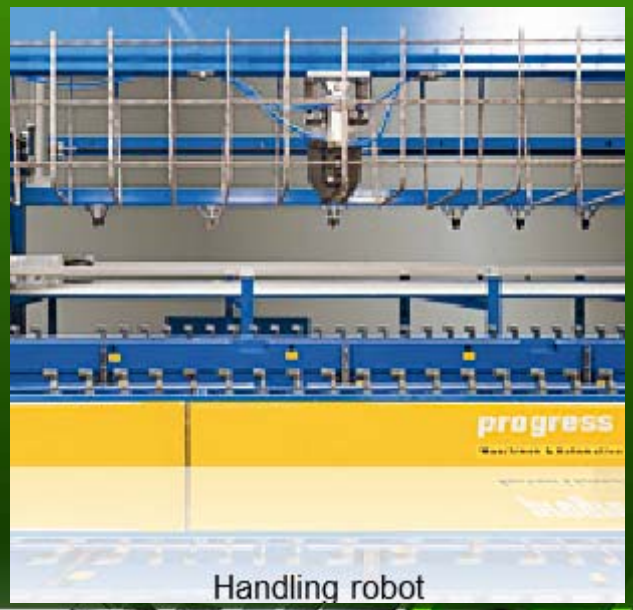
MESH BENDING

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

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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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