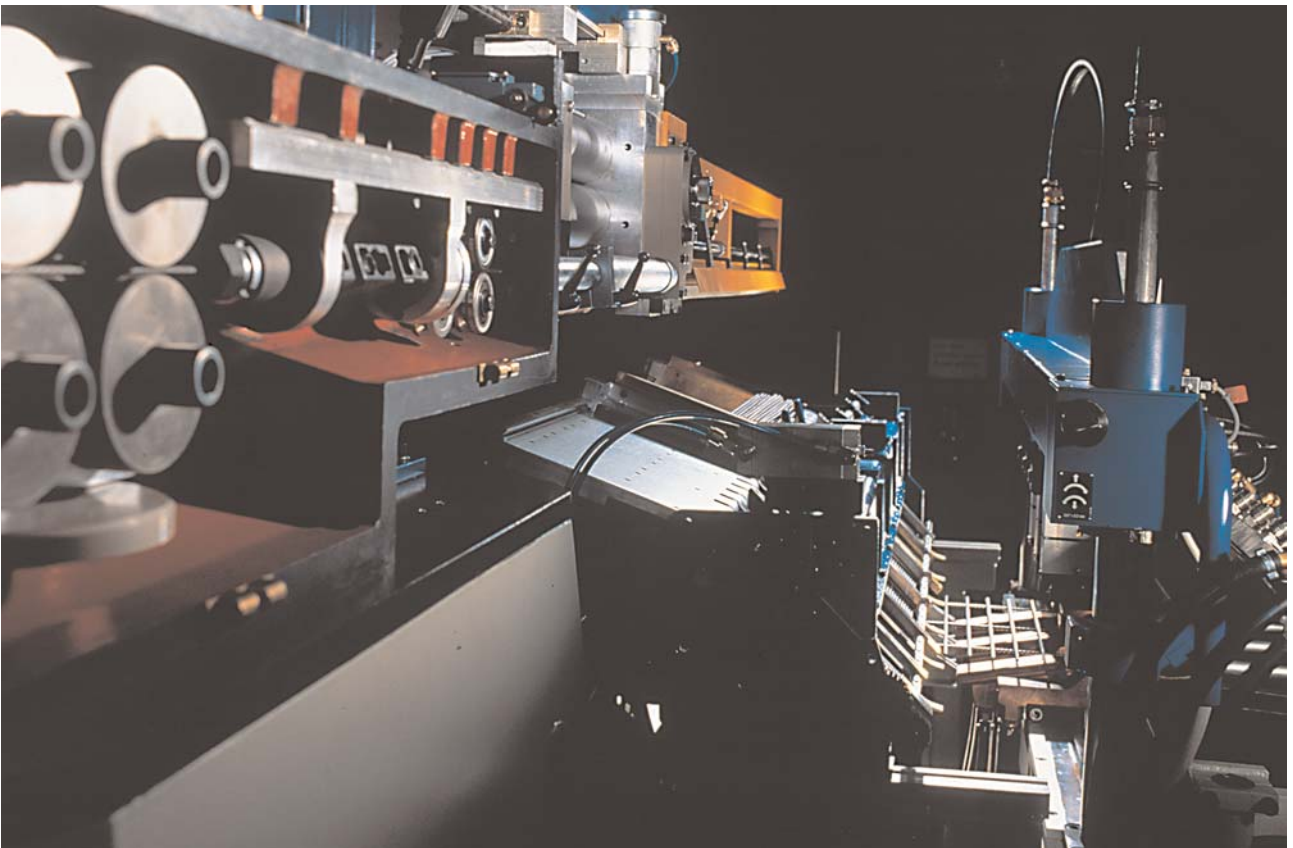


# *System SYROCUT*

Synchronous Cutting and Straightening Unit  
for the Integration into Wire Mesh Welding Lines



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# System SYROCUT

Wire mesh welding line with integrated System SYROCUT for the production of precision mesh with continuous line and cross wire feeding off spool

System SYROCUT for cross wires

Wire mesh welding line System MG 900



## Synchronous Straightening and Cutting

The System SYROCUT consists of a compact synchronous straightening and cutting unit, a wire pull-off unit, a wire pay-off system, a balancing loop and a freely programmable system control.

The wire is fed into the synchronous straightening and cutting unit via the balancing loop. The wires are cut at standstill within a few milliseconds. After cutting, the system is accelerated again to the maximum feeding speed of up to 200 m/min (656 ft/min).

## Quick Changeover

The revolutionary design of the System SYROCUT permits a quick changeover to other wire diameters. The compactness of the straightening spinner helps to save weight and allows to change the complete unit very quickly.

The cutting unit is an exchangeable module with a cutter and a cutting bush. Only the cutting bush corresponding to the wire

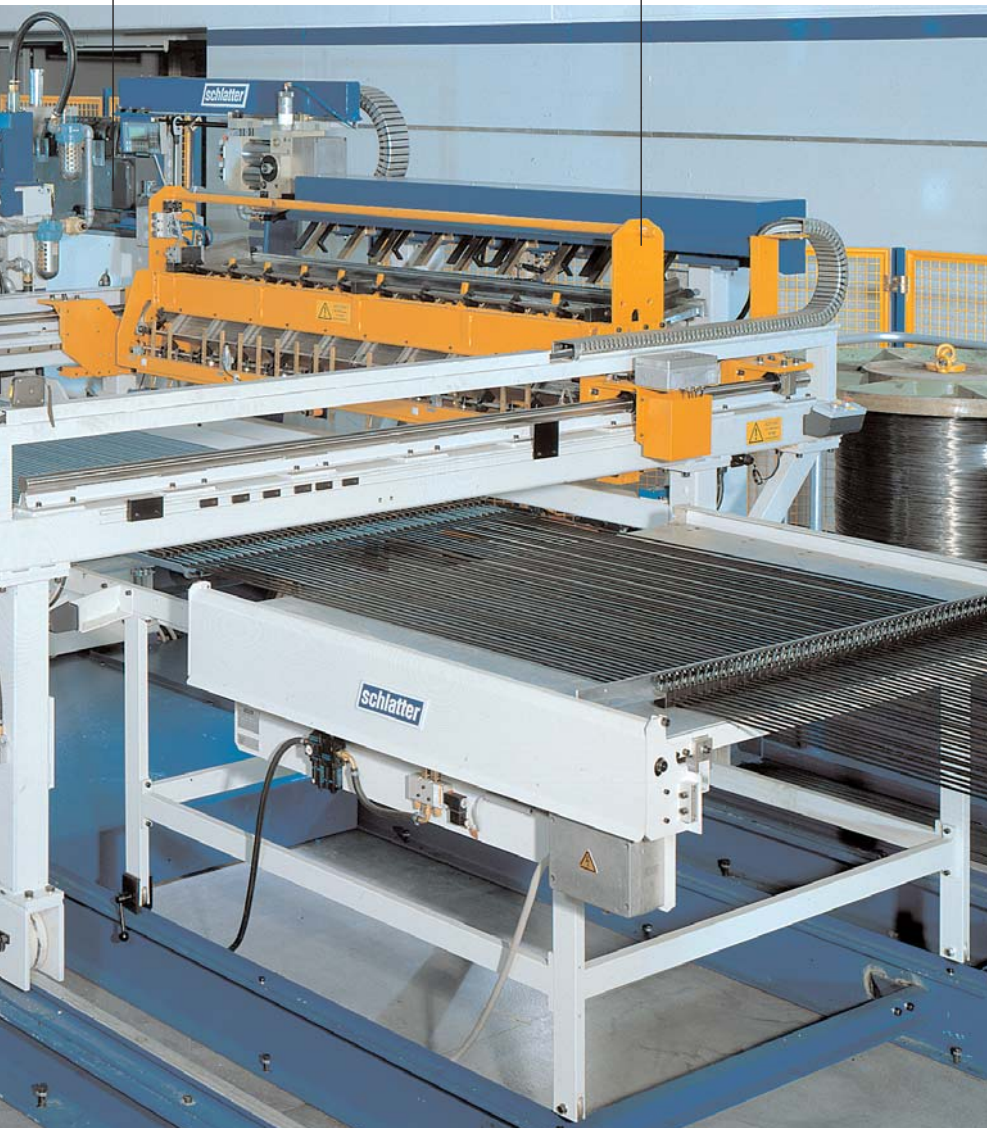
diameter and the 8-fold usable profile cutter have to be inserted. The cutting unit can be exchanged very quickly.

Straightening spinners are preset for specific wire diameters and wire conditions. A changeover is achieved within a few minutes by simply exchanging the feed rollers, the straightening spinner and the cutting unit.



System SYROCUT for line wires

Line wire feeder



### High Quality

The System SYROCUT helps to prevent the twisting strain caused by straightening and cutting machines with the straightening spinner rotating while the wire is cut.

Even highest demands on elongation and uniform elongation are met with the System SYROCUT. The gentle treatment of the wire surface is another major advantage.

### Integration into System MG Wire Mesh Welding Lines

The System SYROCUT has been developed as part of a modular machine concept to permit integrated solutions with System MG welding lines. Hardware and software of the two systems are compatible.

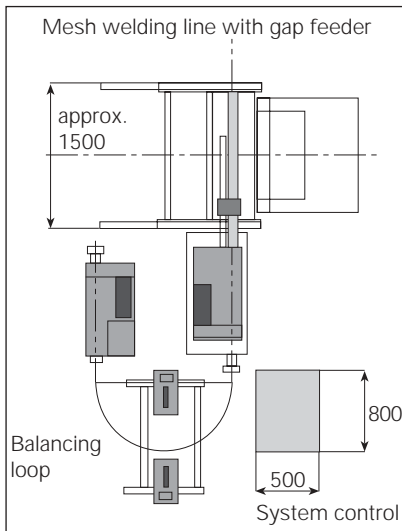
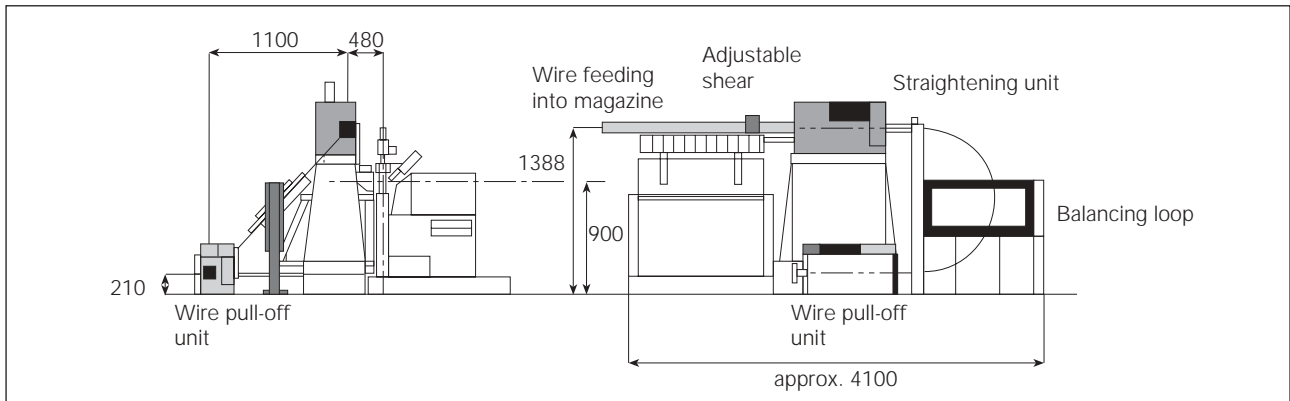
The adjustable shear allows for an optimum adjustment to the wire feeder of the mesh welding line.

### Economical Production of Precision Mesh

Industrial mesh is used for the manufacture of a variety of products:

- Store fittings such as shelving, display racks, baskets and food containers
- Shopping carts
- Furniture and racks
- Freezer baskets
- Shelving for household, office and warehouse use
- Transport and storage containers
- Safety fencing

Industrial mesh must have accurate dimensions to allow the economical manufacture of quality products. This requires, among others, a high wire straightening quality, an excellent wire surface and a good cutting accuracy. The integration of System SYROCUT into System MG wire mesh welding lines allows the economical production of precision mesh with line and/or cross wires fed directly from spools or coils.



### Working Range (Guiding Figures)

Wire diameter	3.0 to 7.0 mm (0.12 - 0.28"; 11¼ - 1½ ga)
Wire length	freely programmable above 100 mm (4"), depending on the length of the straightening bench or wire feeder
Wire tensile strength	max. 800 N/mm <sup>2</sup> (100 000 psi)
Wire surface condition	smooth, ribbed, galvanized
Spool/coil weight	max. 3000 kg (6600 lbs)

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