

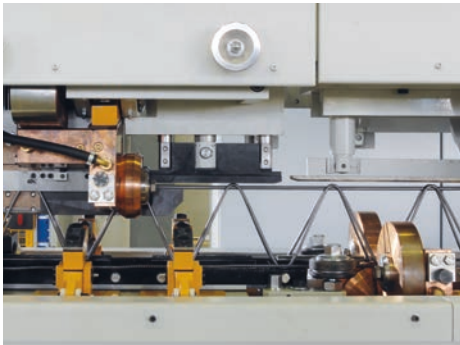
## Highly flexible lattice girder production with fully automatic height adjustment

Schlatter developed a highly flexible lattice girder production unit which runs with a speed of 18 m/min and produces lattice girders even for small lots very efficiently and economically. The prime targets of this development were flexibility with respect to different girder heights as well as a wide range of usable wire diameters (5–16 mm) combined with high production speed.



## A reliable partner in plant construction

The Schlatter Group is a world leader in plant manufacturing for resistance welding systems for special applications. With long-standing expertise in industrial engineering, innovative flair and a reliable customer service, the company Group listed in Switzerland provides production systems offering high performance and quality.



CTM310 – the fully automatic just-in-time producing lattice girder machine



Medium-frequency welding group with four transformers each with 125 kVA and two inverters each with 300 kVA



Truss scissor followed by electric truss extension

### System CTM310

After introducing the MG630 welding machine, the product portfolio of machines for prefabricated concrete elements has been further extended by another new product: the CTM310 Lattice Girder.

In combination with our most modern control system and the safe drive concept, the CTM310 can be operated nearly intuitively.

### CTM310 Specifications

- Lower/upper wire diameter 5–16 mm
- Diagonal wire diameter 3.5–9 mm
- Wave period 190–210 mm
- Girder height 70–310 mm
- Girder width 60–100 mm
- Girder length 0.8–14 m, piling in packages feasible
- Production speed 18 m/min
- Medium frequency welding technology
- Servo electrically driven wire pay-offs
- Very little waste due to additional upper wire shear
- Innovative, simple stacking concept

### Just-in-time production

The concept of the CMT310 matches fully with the customer requirement for a just-in-time production.

The fully automatic servo electrical height and wave adjustment in combination with the safe drives secures an efficient variation between girder height and length.

As an additional precondition for an efficient production an additional upper wire shear has been integrated which guarantees a minimum cutting loss at product change.

### Wire material

- Cold-rolled or drawn wire with smooth or ribbed surface for upper and lower wire, diagonal wire smooth
- Tensile strength up to 550 N/mm<sup>2</sup>

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