



## Cement-mixing-plant 'Märker'



### Figures and facts:

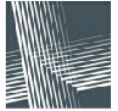
- ◆ Site:  
Harburg / Bavaria
- ◆ Owner:  
Märker Zementwerk GmbH  
(cement plant)
- ◆ Planning:  
Ackermann & Partner  
Architect's firm
- ◆ Construction:  
March to October 2000
- ◆ Weight: 450 t

### Building:

- ◆ New construction of a round  
cement-mixing-plant  
Diameter approx. 100 m  
Height 34 m
- ◆ 70 m long bridge for a conveyer-  
belt
- ◆ Roof of the cement-mixing-plant  
made of a textile membrane
- ◆ Sheathing of the bridge made of  
sheets with trapezoidal  
corrugations

### Parts by Maurer Söhne:

- ◆ Complete steel-structure for  
roof and bridge
- ◆ Sheathing of the bridge made  
of sheets with trapezoidal  
corrugations
- ◆ Auxiliary assembly-tower  
approx. 48 t
- ◆ Painting



**Centre of building: Triangular truss, compression ring and suspended bridge-element**



**Partial installation of membrane**



**Base of a triangular truss**

- ◆ 16 sickle-shaped triangular trusses, diameter of tubes 244.5 mm x 16 mm, length 60 m
- ◆ Lattice girder as compression ring in the centre of the building, diameter 8.6 m
- ◆ Assembly-tower to support the compression-ring
- ◆ Suspension
- ◆ Bridge covered with bulb-plate and connection to existing building
- ◆ Frame-work supports for the bridge
- ◆ Insertion of welding-templates for on-site-welding of the trusses



**Maurer Söhne Headquarters**  
 Frankfurter Ring 193, 80807 München  
 Phone +49 / 89 / 3 23 94 - 3 19  
 Fax +49 / 89 / 3 23 94 - 3 55  
 e-mail nolte@maurer-soehne.de  
 Internet www.maurer-soehne.de

**Maurer Söhne Branch Office**  
 Zum Holzplatz 2, 44536 Lünen  
 Phone +49 / 2 31 / 4 34 01 - 0  
 Fax +49 / 2 31 / 4 34 01 - 11

**Maurer Söhne Branch Workshop**  
 Kamenzer Straße 4-6, 02994 Bemsdorf  
 Phone +49 / 3 57 23 / 2 37 - 0  
 Fax +49 / 3 57 23 / 2 37 - 20