

PRESS NEWS



Plates for blast furnaces

Uddcomb Engineering has often been the turnkey contractor for SSAB's blast furnaces. Deform undertakes all prefabrication of the blast furnace bodies.

On the last four occasions (1994, 1995, 1999 and 2005), Deform has been responsible for cutting, forming, hole making, test assembly and marking of body segments. Each blast furnace body comprises shell and cone segments. The shape and position-correctness tolerances for these are extremely tight.

The largest diameter so far has been 14 metres. Wall thicknesses have been from 35 to 90 mm. The blast furnace currently being produced has a diameter of 10.5 metres and is 25 metres high. Thicknesses range from 30 to 60 mm. The body comprises 48 segments with around 3000 holes.

We can proudly state that the fit is excellent – each segment is checked individually and each block is inspected during test assembly. The most recently delivered block had a circumferential deviation of 7 mm. This was well below the tolerance of ± 20 mm. We take great pride in supplying complex, complete products that are subject to extreme quality requirements!



Assembled shell block



Shell segment – 60 mm thick



Part of blast furnaces delivered 1999



Hole making