

Raw materials / stock

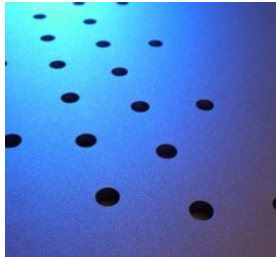
Steel sheets are delivered directly by the manufacturer and marked according to supplier and steel quality.


Blasting

The surface is cleansed and roughened by blasting according to SAA 2 1/2.

Cutting / punching

Blanks are cut and punched on semi-automatic punches. Special shapes are produced on computer-controlled plasma cutting equipment.


Glass production

Finely ground frit is mixed with water and aggregates. A nickel base layer and cobalt-containing top layers are produced directly in the factory following proven formulas.


Rolling

Steel segments are rolled to the required radius. Wash equipment then removes any impurities.


Spraying chamber

Automatic spraying systems apply the base coat and, in subsequent steps, the top coat.


Kiln

Enamel and steel are fused at very high temperatures in the tunnel kiln to form a composite material.

Inspection

Quality control during the entire manufacturing process is an essential part of production. After final inspection, each steel segment is marked to confirm it has passed the tests.


Packaging

The segment plates are assembled to order in the factory, packed and then shipped worldwide.