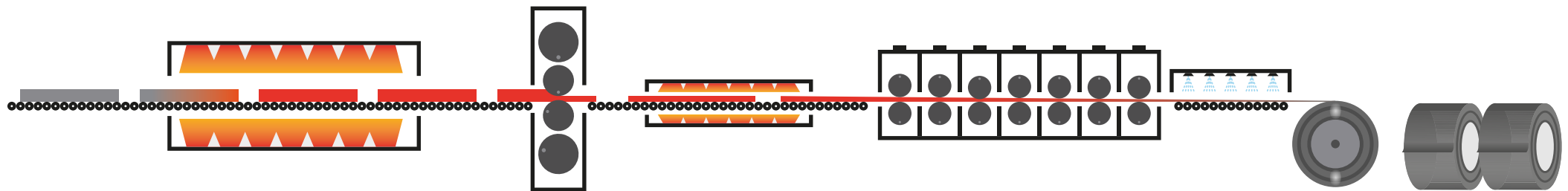


Manufacturing process

Stage 2 - hot rolling mill

Aperam Stainless Europe's **hot rolling mill** has a rolling capability up to **2 metres wide**. This is the first step in reducing the slab's thickness from **200 to 3 mm**, in the form of a "**black coil**".



This process takes place at **Aperam Châtelet** and involves reheating the slab in a furnace at an average temperature of **1250 °C**.

An initial reduction in thickness, from **200 to 40 mm**, is achieved through several passes on the roughing mill.

The thermal tunnel maintains the temperature of the slab even as its thickness is reduced.

Then the slab passes through a series of 7 rolling stands to reach approximately **3 mm in thickness** (1.2 min / max 13 mm). The metal is cooled down and wound to form coils, also called "**black coils**" due to their oxidized surface.

The coils are then shipped to the annealing and pickling plant. **We also sell black coils.**

Information

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