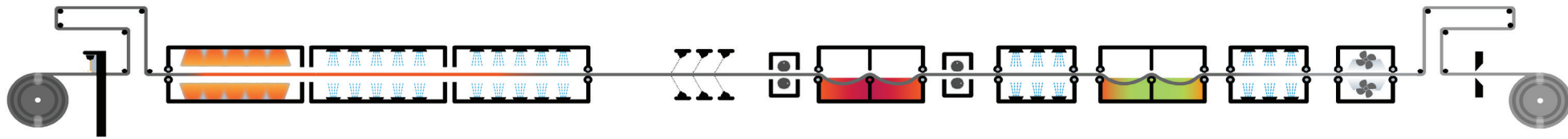
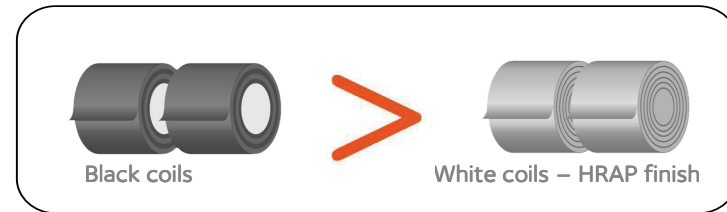


# Manufacturing Process

## Stage 3 - First annealing and pickling

This stage recovers the **mechanical properties** of our stainless steels. It also produces coils with an **HRAP finish**, with a **minimum thickness of 1.2 mm and maximum 13 mm**. These coils are sold for applications where an aesthetic requirement is not as important, particularly for industrial applications.



Black coils are heated in the **annealing furnace**. This step recovers the mechanical properties of our stainless steels

The oxides on the surface are broken down by **shot blasting**

The **pickling process** in acid baths followed by water cleaning and air drying results in white coils with no surface oxide, this is the **HRAP finish**. At this point, the white HRAP coils can be sold without cold rolling, or further surface finishing.