

BRUSHING AND VACUUM CLEANING OF THE SURFACE OF THE STEEL SHEETS

Both Sidastico's levelling lines are equipped with multiple sections dedicated to the brushing and vacuum cleaning of the surface of the steel plates cut from hot rolled coils.

The metallic scale that is naturally present on the surface of the coils is removed by the action of large rotating brushes made of stiff carbon fibers in special insulated chambers placed strategically along the decoiling lines.

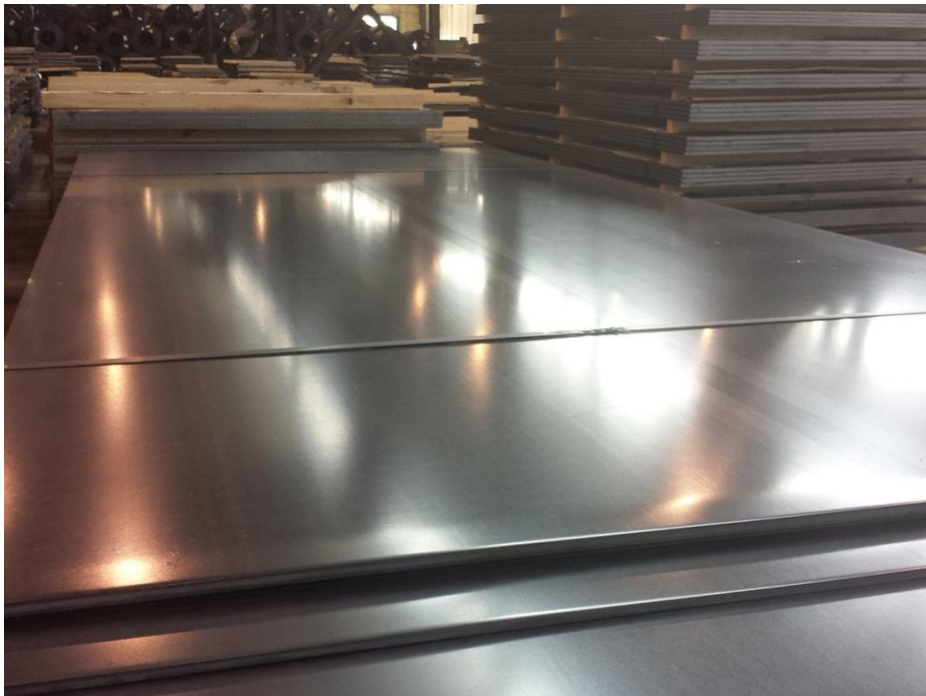
The scale chips and dust are then removed from the surface of the sheets with powerful jets of compressed air and eventually brought outside the levelling plant by gigantic vacuum aspirators, where they are collected and eventually recycled as scrap metal.

The perfectly detensioned, brushed and vacuum cleaned steel sheets of Sidastico are particularly apt for laser cutting.

The brushed and vacuum cleaned Sidastico steel plates represent a valid alternative to pickled and oiled materials because:

- the brushed and vacuum cleaned Sidastico steel sheets don't need protective oiling, since the brushing of the surface does not strip away the thin, protective layer of invisible oxydation that, on the contrary, is completely removed by pickling
- hence, they don't need to be washed clean of the residues of the protective oil that often impedes an even and stable painting of the steel's surface, and don't imply the cost of such washing
- the cost of the brushed and vacuum cleaned finish represent overall a very small fraction of the cost of the pickling and oiling finish and of the washing treatments that accompaign it

The whole process of brushing and vacuum cleaning the steel sheets is totally eco-friendly, as it does not involve the use of any dangerous and polluting chemicals and, on the contrary, all its by-products are totally recycled.



The brushed and vacuum cleaned finish is available on demand and implies a surcharge on the price of non-brushed materials.

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