

Efficiency through innovation: Reel-to-reel plating for thick and wide strips

Enayati is setting new standards with the latest developments in finishing for thick and wide strips. In addition to the finished strips' top quality and performance, compared to traditional rack plating, reel-to-reel plating offers significant cost savings and efficiency gains through a highly automated process.

Enayati broadens its expertise

Finished thick and wide strips are used, among other things, in electric mobility, especially in busbar variants. Our thick and wide strip technology is specifically designed to meet the requirements of high current carrying capacity and resistance – essential for the fast charging of electric vehicles, among other things.

A busbar is an electrical conductor that distributes electrical currents within a circuit. It plays a crucial role in electric mobility, in particular in relation to batteries and electric vehicles.

Our range of services

- Solid and stamped strips: up to **4 mm thick** and **400 mm wide**
- Finishing options: **all over** and **selective finish**
- Available **surface systems**:
 - Nickel (Ni)
 - Tin (Sn)
 - Silver (Ag)
 - passivation systems for Ag surfaces
- **Customized solutions**: other surfaces, such as gold-cobalt (AuCo) or electroless nickel-phosphorus (eNiP)



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The future of electroplating: rack plating versus strip plating

Rack plating

In **rack plating**, the metal rack that the individual parts are attached to, is immersed in an electrolyte bath placed under electrical voltage and coated.

Strip plating

Strip plating revolutionizes surface finishing by continuously passing a metal strip through various baths in a largely automated process. Selective finishing allows for the targeted coating of individual areas.

Strip plating: impressive benefits



Focus on economic efficiency

Compared to rack plating, the overall processing costs are about 30 percent lower – with increased throughput speed and lower personnel costs.



Cost reduction through selectivity

Selective finishing on the strip makes it possible to significantly reduce the precious metal consumption, depending on the required contact range.

Flexibility and efficiency in post-processing

Strip plating offers our customers a much more flexible, faster, more efficient, and therefore more cost-effective way of processing.



Efficient and reliable parameters

Thanks to the precise setting of the coating parameters and the continuous guidance of the strip through the electroplating baths, strip plating not only guarantees compliance with the highest quality standards, but also promises to efficiently and reliably meet the high demand in future.