

**We speak STI | Hartchrom®**  
for functional and economic advantages



**STI  
Hartchrom**

*The precision company*

# High-end plating solution for screen baskets

Efficient inflow and outflow screen baskets or screen trays are characterized by their high resistance to wear, maximum life-time, precisely defined slot widths or holes and a perfect sorting behavior. The STI | Hartchrom plating technology has been specifically developed to fulfill these functional and economic performance requirements at the highest quality level.

As a coating material, Hardchrome has been proved to be more economical and functionally more effective for this application than nickel-boron, electroless nickel, spraying, nano-coating, plasma-nitration and various hard material surfaces. The STI | Hartchrom screen basket technology makes use of these advantages to the maximum, and also creates additional added value. These advantages result from high-end electro-polishing and chrome plating procedures, a specially developed system controller, state-of-the-art infrastructures and the highly specialized construction of jigs and fixtures. Individually specified tolerances are precisely steered, maintained and manufactured in a reproducible quality. The STI | Hartchrom services include:

- Customer-specific R&D
- Electro-polishing: for smooth, highly polished surfaces und defined slot widths or holes
- Hard chrome plating: Defined layer thicknesses of up to 300 µm, defined slot widths or holes
- De-materialization: Cleaning, de-plating and re-plating of repaired screen baskets
- Documented, traceable and reproducible processes
- Final assembly and direct dispatch to the end customer
- Processing time 7 days, emergency service 2 days



## Capacity on 18'000m<sup>2</sup>

■ Chrome plating	Ø 200 to 2'300 mm, height up to 2'300 mm, weight up to 4 t
■ Electro-polishing	Ø 200 to 2'200 mm, height up to 2'200 mm, weight up to 4 t
■ De-materialization	Ø 200 to 2'100 mm, height up to 2'300 mm, weight up to 3 t
■ Treatments	De-materialization, hard chrome plating, electro-polishing; single/combined
■ Tolerances	according to individual specification (e.g. standard deviation < 0,02mm, Cpk ≈ 1 with corresponding delivery), layer thicknesses up to 300 µm, documented, reproducible, traceable
■ Reconditioning, revision, re-plating	
■ Processing time	7 days
■ Emergency Service	2 days (to be agreed)

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**STI | Hartchrom is a subsidiary of AFG Arbonia-Forster-Holding AG, Arbon (CH)**

### We are STI | Hartchrom®

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