

DynaPlus®

Highly efficient customized plating lines



General Metal Finishing

Production technology

atotech.com



Turnkey electroplating lines tailored to customer needs

A class of its own

MKS' Atotech renowned customizable DynaPlus® plating lines are suitable for decorative and functional surface finishing. As part of MKS' Atotech unique systems approach – which is characterized by an optimally-coordinated interplay of leading electroplating equipment, advanced chemical processes and unparalleled service – the DynaPlus® plating lines offer high productivity, excellent coating quality and greater flexibility, all while using resources in a cost-efficient and environmentally-friendly way.

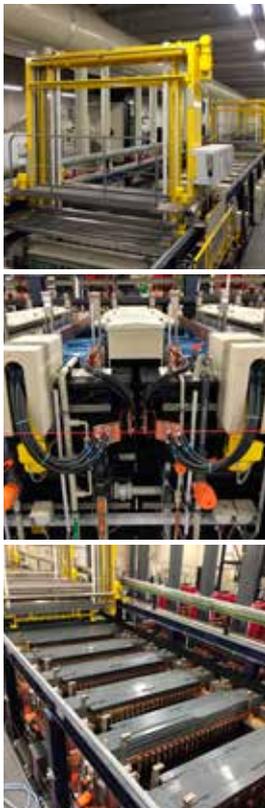
DynaPlus® plating lines can be customized to fit any chemical and electrochemical rack and barrel plating process and a wide range of component sizes. This makes the DynaPlus® a great choice for the automotive, sanitary, jewelry, construction, heavy machinery or aerospace industries, among others.

Atotech fully customizable electroplating line

Every DynaPlus® plating line is designed and built in accordance with the customer's specific needs, production requirements and space availability. Whether the customer requires a single or multi-level version at ground level or an elevated version with height-adjustable operator platforms, the electroplating line is fully customizable.

DynaPlus® fully-automated plating lines are equipped with an intelligent control system. Depending on the space available, additional auxiliary equipment can be incorporated into the lines to enable closed-loop, sustainable production.

Equipment technology tailored to all needs



Figures 1-3:
DynaPlus® line for decorative plating

State-of-the-art dosing and control system

Covered electroplating tanks for maximum operation safety

Optimally coordinated processes – from consulting to commissioning

Our experts compile consulting packages based on requirements and conditions that include an operating expense analysis, a cost-benefit analysis, a process optimization analysis, an ecology assessment, the auxiliary systems required and wastewater concepts.

Atotech manages and controls the entire manufacturing process at the highest standards. The process consists of planning, engineering, production, logistics, assembly and commissioning. All DynaPlus® plating lines are engineered in Germany and are compliant with the EC Machinery Directive as well as local regulations worldwide.

Thanks to our efficient supplier network and our highly qualified and flexible production and assembly staff, all DynaPlus® plating lines can be commissioned quickly after a brief planning phase.

High efficiency with a small environmental footprint

DynaPlus® is one of the most reliable and durable plating lines on the market. Outstanding performance, high level of automation, exceptionally long uptime and high yield characterize this long-lasting system.

Optimized exhaust air and heat recovery systems, efficient pumps and motors and intelligent control solutions significantly decrease energy consumption. Improved rinsing mechanisms and automatic regeneration reduce chemical and water consumption while minimizing wastewater generation. When combined with MKS' Atotech leading chemical processes and auxiliary equipment, cost efficiency and a reduced environmental footprint are achieved simultaneously.

Features and benefits

- Durable high-capacity, high-efficiency and high-quality plating line
- Suitable for all chemical and electrochemical plating technologies
- Turnkey solutions tailored to specific needs (production volumes, speeds, space and HSE demands)
- Highly automated, programmable system
- Sustainable system with a small environmental footprint
- Optional systems include a wastewater treatment plant and zero-liquid discharge system
- Meticulous design and production
- Highly efficient state-of-the-art system engineering
- High-speed system production and completion
- Predictive maintenance, remote access and remote troubleshooting

