

Equipment technology

Production systems for the plating industry



General Metal Finishing

Production technology

atotech.com



Equipment for MKS' Atotech unique systems approach

More than

600

lines from Atotech are **operating worldwide**

Increasing production efficiency

Atotech creates the complete engineering package for tanks, transporters, control system, dosing periphery and supports in purchasing, manufacturing, installation, initial operation and start of production. MKS' Atotech engineers work out concepts for refurbishment of existing lines, to upgrade existing control systems and inform about specific advantages compared to existing systems. Optimum plating performance for surface finishing applications can be achieved by using MKS' Atotech innovative plating technologies under optimized processing conditions. By combining specialized chemical products with dedicated equipment, Atotech offers systems solutions for consistent high performance at reduced processing costs.

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Figure 1:
Barrel plating line
Figure 2:
Rack plating line

Optimizing production conditions

A perfect finish is based on the right plating solution. Atotech offers equipment perfectly adapted to chemistry processes from the Atotech product range – versatile combinations that ensure high productivity, optimum process performance and a consistent high quality.

Contributing to a sustainable production

For 60 years Atotech has designed and produced systems for the plating industry at the Atotech site in Feucht close to Nuremberg (Germany) and since 2003 also in Guangzhou (China). Chemical and equipment engineers work closely together to assure the compatibility of chemical processes and lines. MKS' Atotech equipment technology contributes to minimize energy consumption e.g. with optimized exhaust air system and wastewater reduction, efficient pumps and motors, in combination with control system intelligence.

A team of Atotech equipment and process specialists audits existing plating systems and develops proposals to optimize throughput, automation and quality. Based on the diverse production requirements and conditions, our experts set up tailor-made consulting packages including training, a hotline, service and maintenance support and a high availability of spare parts.

MKS' Atotech consulting package

- Tenders / layouts, technological flowcharts
- Determination of operating cost budget price
- Cost-benefit analysis
- Ecology assessment
- Wastewater concepts
- Auxiliary system regeneration
- Process optimization
- Efficiency analysis of operating cost

