



Fraunhofer

IPA

FRAUNHOFER INSTITUTE FOR MANUFACTURING
ENGINEERING AND AUTOMATION IPA

ADVICE ON ALL ASPECTS OF ELECTROPLATING





DECISIONS TO BE MADE? WE CAN HELP!



WE PROVIDE THE BASIS FOR YOUR DECISION

It is the main goal of our work to offer a full range of advisory services on all matters of electroplating. In general, traditional consultancy services include not only coating and process development as well as plant and equipment planning but cover all areas where decisions need to be taken and unbiased and objective assessments are required.

Capital investment decisions

With our vast experience in electroplating, we can advise you in an independent, transparent and reliable manner on investment decisions in new equipment or components. Investment planning requires considerable foresight.

What today appears as a reasonable deal may prove uneconomic tomorrow. For this reason, our investment advice always includes a cost-efficiency analysis which considers the follow-up costs and the current technical possibilities. We take a look at your product range, design and assess possible strategies, and thus provide the basis for future investments.

Production system assessment

You want to know whether your electroplating production lines are still state of the art or wonder how to reduce process waste? We will assess your facility and the production processes on site and directly discuss the processes with your staff members. As neutral observers with an extensive knowledge in all aspects of electroplating, we can shed a new light on your electroplating production. We point out potential weaknesses in the value chain from incoming goods to quality assurance and make recommendations for remedial actions. We assist you with the implementation and monitoring of measures. Our objective is to ensure the efficiency of the electroplating production in all processing steps.

Supplier assessment

If you buy electroplated products or have them manufactured to your specifications, you require a competent supplier. When it comes to the quality of the coating, however, it is you who is held accountable – even if the supplier is the one with the expertise. We help you with our competent and objective assessment of suppliers so that you can make the right decisions. We possess the knowledge of chemical processes, manufacturing operations, process equipment, and framework conditions. This, in turn, enables us to thoroughly check your future partner.

We operate worldwide on your behalf and know the details that really matter to let your product meet the high demands on quality.

Feasibility studies

You are working on a new development in the field of electroplating and wonder if the subject is truly worthwhile, what conditions have to be satisfied, or if the relevant product is already available on the market? These questions are part of our feasibility studies that are tailored to your specific needs. We identify risks and estimate how successful further work in this field might be. The study creates a basis for your decision-making, indicating the need for additional projects and the amount of work involved. At the end of the feasibility study, we can help you to outline practical steps. We develop the right metal coating for you including relevant processes, design an electroplating facility, or produce a prototype that best suits your needs.

Have we caught your interest?

Feel free to contact us – we look forward to your call or your visit.



OVERVIEW OF ADDITIONAL SERVICES

We consider ourselves to be your service provider in the field of electroplating. Our offering includes consultancy services and process development; we design and implement facilities in cooperation with partners from the machinery and equipment industry, and seamlessly integrate new technologies into your production environment:

- Process development and modification, from the basic mechanisms to the launch of new products, in line with coating and manufacturing requirements
- Design of efficient process chains; adaptation of interfaces
- Quality assurance in the manufacturing process; development of analysis methods
- Failure analysis of components through scientific investigation of the material; identification of causes and planning of remedial actions
- Planning and design of special facilities in line with process requirements and simulations
- Analysis of facilities with a view to production reliability, capacity increase, and potential savings

CONTACT

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For more information please visit our website:

www.ipa.fraunhofer.de/electroplating

