

## New OTEC Applications Center in Jena



At the end of May 2014, Matthias Wetzel INDUSTRIEBESCHRIFTUNGEN GmbH moved into its new company building.

With us as its partner, a state-of-the-art Applications Center for precision mass finishing has also been opened at this location. This center is equipped with our machines, media and associated ancillaries. In addition, the staff at Wetzel GmbH possess the relevant expertise, since they have been working with OTEC machines for many years. Customers based in the region can now have their samples processed at the research lab in Jena or, if they wish, be present whilst their sample is being finished. This means that customers can now determine the right process and

machine configuration locally in Central Germany or see the mass finishing process in action on OTEC machines. For customers based in the area, we offer regular training sessions at the Applications Center in Jena. We look forward to providing you with technical support and assistance in Jena.

Contact details of the Applications Center in Jena:  
Matthias Wetzel  
INDUSTRIEBESCHRIFTUNGEN GmbH  
Brüsseler Str. 14  
07747 Jena  
Phone 0364157930  
Fax 03641579322  
m.wetzel@mwib.de  
www.mwib.de

## Contents

- ▶ **New Applications Center**
- ▶ **With new EPAG in Vicenza**
- ▶ **Introducing: our engineering design department**
- ▶ **Partner for cooperative education**
- ▶ **Successful cooperation with Oerlikon Balzers**

# Presenting the new EPAG in Vicenza



Hall 9, Booth 112

The next VICENZAORO international trade fair for gold, silverware and gemstones will be held from 23 to 28. January 2015. OTEC will be there with the latest version of its electropolishing unit, the EPAG Felx 2x30.

With this machine, OTEC has already set new benchmarks on the market. Polishing is carried out electrolytically, i.e. without any physical removal of material. This gives extremely fine surfaces which can very easily be coated. The fully automatic process control with freely selectable parameters and the easy workpiece changeover using a quick-release system to remove the

workpiece hanger make the process extremely cost-effective.

OTEC has developed this successful unit still further for the polishing of gold and silver. It is now equipped with two cells/tanks, in which different processes can be used for approx. 26 parts each – including finishing gold and silver at the same time. This means that even batches with different finishing times and different processing stages can be polished to perfection under fully automatic process control. This not only makes the system easy to use but saves both time and money.

## Introducing: our engineering design department

Engineers, technicians, draftsmen – the team in our engineering design department is constantly kept on its toes by the rapid pace of technological progress. They develop, calculate, scale and design new products and modifications to existing equipment. Here, the impetus originates not only in house but also in part from our customers. And in this connection, the technical expertise and capabilities of our design engineers are just as important as their creativity. All these factors come together to determine the functionality, qualitative efficiency, cost-effectiveness and competitiveness of the products they design.

All members of our OTEC team work well together. In a system which has proven to be ideal in terms of efficiency, each member of staff is allocated to a particular area of specialization: stream finishing, drag finishing or disc finishing technology. However, every single one of them is in a position to achieve the desired results in any given sector.



To design new machines and regularly upgrade existing ones – these are two of their main areas of activity. In practice, the main workload of our team in the engineering design department focuses on developing special versions of our standard machines according to the specific needs of our customers. Indeed, this is the true strength of our company: We have developed stan-

dard state-of-the-art solutions which our creative and flexible specialists can adapt and customize to fulfill the individual requirements of our customers.



# Otec becomes a partner for cooperative education

As from 2015, Otec is set to become a partner company of the Baden-Wuerttemberg Cooperative State University (DHBW). In September, a future Master of Business and Engineering and a Master of Business Administration will begin their practical training at the surface finishing specialist. This enables Otec to pursue its goal of "grooming" its own future employees at graduate level, too. The prospects are excellent for both the students and the company alike: the percentage of

DHBW graduates taken on by their companies is currently around 85 %. This is one reason for the long and successful track record of these integrated degree programs which were established in 1970s as a joint development by government and industry under the original designation of "vocational academy".

But Otec is also providing career paths for apprentices. Now that the new company building is under

construction, there will soon be more than twice as much space for all areas of employment, creating new working conditions and opportunities for more apprentices. This will ensure that more trainees in both technical and commercial areas can be taken on in future.



## Successful cooperation with Oerlikon Balzers

Otec has proven to be a reliable supplier of drag finishing machines for the global company, Oerlikon Balzers. One of the main sectors in which this global technology leader operates is the coating of precision components and tools for metalworking and plastics processing with the goal of increasing efficiency and service life. The company currently has over 100 finishing centers in 35 countries in North and

South America and Asia. Drag finishing machines (DF 4 Tools) from Otec are used to fully prepare the work-pieces for coating – through grinding, edge rounding, smoothing, polishing and removing droplets.

We are proud of this valuable and successful cooperation with Oerlikon Balzers.



Removing droplets

