

URMA EXPERIENCE

«When half a bore is twice the challenge...»

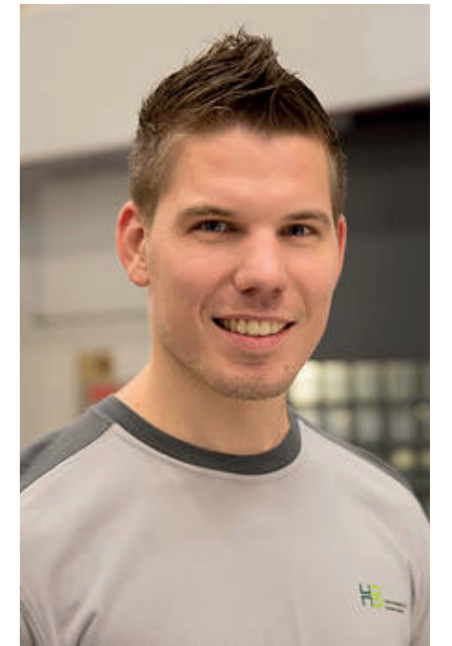
The company Heinz Baumgartner AG in Tegerfelden, Switzerland, has been very successful as a contract manufacturer in general mechanics since its foundation in 1962. With their 65 employees, they offer everything from design and welding to the finished and measured precision component.

For many years, Heinz Baumgartner AG has been working successfully with URMA AG in drilling and burnishing. Mr. Reto Waechter increasingly relies on the high-performance reamers from URMA AG for medium to large quantities. Due to their high speed, the process reliability on the diameter as well as the surface, components are machined extremely economically.



«By using these URMA RX reamers, we have been able to achieve enormous improvements in terms of tool life and process reliability for years. The fact that the machining of half shells also works so well has amazed me personally. In fact, we have been able to achieve constant positioning accuracies and diameters there as well. True to the motto «innovative engineering - made in Switzerland», we always rely on the most modern and economical technologies.»

Reto Waechter, Heinz Baumgartner AG



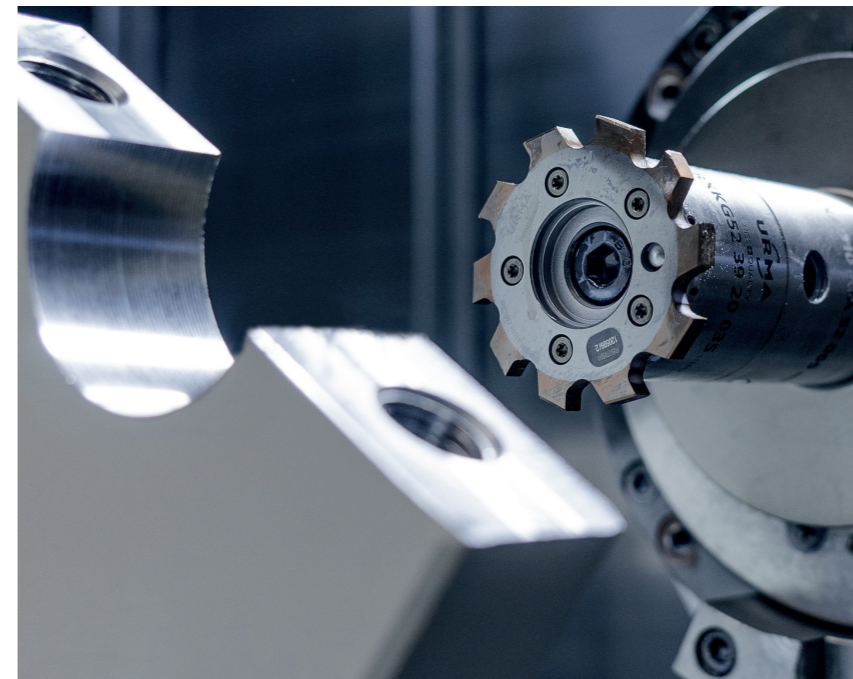
Reto Waechter, Production Manager and member of the Executive Board at Heinz Baumgartner AG.

The machining of a welded construction made of St37-2 / 1.0037 for a robot base carrier, which is used in medical technology, has been manufactured by Heinz Baumgartner AG for years. The difficulty in producing the bearing points lies in the heavily interrupted cut, where 50% of the bore is open. The bearing shells 50H7 and 95H7 have a positional tolerance of

+/-0.015mm and have traditionally been manufactured by boring. The process by boring out used to work, but it was not possible for the employees to measure the open bore and adjust the boring tool.

For some time now, these bores have been reamed by a URMA RX Medium reaming tool. By using the reamer, the diameter re-

sponsibility lies with the tool and no longer with the machine operator, thus reducing the workload on the machine operator. The speed of Vc 80m/min - F 0.84mm/u with a required surface of Ra 0.8, as well as the tool life per reaming insert of 50 minutes also make this machining a success.



Do you have similar challenges? We would be happy to take on the task!

Kim Arnold
Application Engineer
k.arnold@urma.ch

