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Made by Haimer:
Tool holders
Measuring equipment
Precision machines

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Haimer Company Portrait 04/05 [approx. 8 000 characters]

A Passion for Precision

Haimer is a medium-sized family business that develops and manufactures innovative, high-precision equipment in Igenhausen near Augsburg. Tool holders, shrink fit chucks, tool balancing machines, 3D sensors, centring devices, inductive shrink machines and accessories from Haimer are renowned for top quality and have gained recognition the world over.

There is no question about location for Haimer. Production takes place exclusively in the home town of Igenhausen near Augsburg and there is very good reason for this as the CEO Claudia Haimer confirms: „We are not willing to manufacture our high-precision products in a location where our high Haimer quality cannot be guaranteed. On the contrary, we put our trust in the highly qualified and motivated employees in our home plant.”

20 **Production in Germany – Sales worldwide**

This attitude by no means signifies of a lack of flexibility or a restricted global outlook. Haimer GmbH is a global player and sells its products all over the world. The Far East and North America are major markets, but there is no question of us relocating our production site there. “As a medium-sized enterprise employing 130 people we have to concentrate our competence. All our products are distinguished by top precision and quality, something we only have under control on site here in Igenhausen,” explains Claudia Haimer.

30 As far as sales are concerned, it is a different matter: Haimer LLC with its location in Villa Park near Chicago was founded in the year 2003 and then followed at the beginning of 2005 by Haimer Asia

Pacific LTD in Hong Kong. These two sales centres guarantee both the first-class service for which Haimer is famous and the customer-orientated expert product advice, on site for the whole world.

But we have not neglected the domestic market, either. Since 2004 we have been supporting our customers in Germany with our own team of field workers. "The pressure to reduce costs put on the productive industry in Germany is getting stronger and stronger. So customers need expert advice when it comes to optimising chip removal processes. The pure retailer with his wide range of products is often out of his depth here," according to Claudia Haimer.

Total solution supplier for precise tool clamping.

Since its foundation in 1977 Haimer has developed to become a total solution supplier of precision tool holders. Today the product range includes 3500 different parts, from pull studs for scaped cones to different shrink fit chucks and right on down to shrink fit and balancing machines.

The idea for the very first product, which even today is still our core business, grew from our own requirements and practical experience: accurate tool holders with varying shaft lengths. At that time most well-established manufacturers supplied holders in one standard length only – often insufficient for many applications.

If a user needed special dimensions that were, for example, longer and thinner than normal, he had to wait a long time and pay a high price for such a custom-made product. Necessity really was the mother of invention for the supplier company Haimer, as Claudia Haimer explains: "Instead of ordering expensive custom-made sizes we decided to produce the tool holders ourselves and to go one step further and offer these to other companies in three, four

and sometimes even in five different lengths as a standard product”.

70 Demand was high and right up to the present day Haimer still earns the biggest part of its turnover with these continuously developed tool holders. Haimer was even been able to gain a market leader position in some product sectors.

In the meantime Haimer has grown to become a problem solver for the chip removal branch. Vibration is often a problem for users. Haimer has the answer here with a range of optimised chucks that prevent vibrations from even developing.

High-quality serial production

80 If prices are to be competitive, you need a tightly run organisation – this is equally true of the production process that is equipped with state-of-the-art, expediently automated machines. We even have a robot that works a 24-hour shift in Igenhausen. The manpower that is saved here is free to concentrate on the most important aspect: the quality. This starts in the development phase where we exploit the experience that we have gained in our own production to create innovative products.

90 One example is the shrink fit holder that has become an integral part of the range of various standardised tool holders, a range that in the meantime has become very extensive. High concentric running accuracy, few projecting edges, slim-line design – Haimer uses all these advantages for its own production and is happy to pass them on to its customers.

It goes without saying that these products are continuously enhanced. The slim Mini Shrink shrink fit chuck is just one result of this; with it you can reach into deep cavities with no problems at all. The outer contour of the Mini Shrink has a slant of only three degrees making it ideal for mould production. Flexibly adjustable Mini Shrink extensions are available for users requiring particularly long tools.

The success of this product is mirrored in the competition. It takes no time at all before Haimer innovations are found at other manufacturers. However, you only have to take a closer look at these copies to see that the expertise of the developer is lacking. Even chucks that look exactly alike at first glance often reveal differences that, when on the machine, can be the decisive factor for success or failure. Sometimes there are only minor dimensional variations but sometimes there are tangible construction errors.

Machines for shrinking and balancing

Haimer rounded off its range of shrinking machines with the Power Clamp, another of its own developments. This inductive shrinking machine comes in different versions, with or without a water cooling unit and in the meantime also equipped with an integrated length presetting system. The innovative product line “New Generation” (NG) continues the logical development of inductive shrinking technology. An intelligent spool that adapts to any given requirement can handle almost all types of shrink fit chucks. The Tool Dynamic is another machine in the Haimer product range. Behind this name you will find a modular balancing system for tool holders, grinding wheels and rotors. It is quick and easy to operate and no specialist knowledge is required for taking measurements on one or two planes. Balanced tools are a basic requirement if you want to achieve perfect results, particularly in high-speed and high-precision machining.

Quality wins

Quality is a top priority at Haimer. Regular material and crash tests are carried out to ensure basic properties. Experience has led to our decision to pay particular attention even to small components that at a first glance appear unimportant. Take the pull stud of a scaped cone, for example: for this Haimer uses a particularly chip

resistant material, which is partially hardened and even annealed at the thread. Or the screw nuts for the ER collet chucks. These only ever leave our plant if they are finely balanced, so that precision machining is not endangered.

Haimer's most difficult customer is in fact Haimer itself. An optimised serial production run quickly reveals just how good a chuck is.

140 Whether a small component or a complete machine – every Haimer product is tested before leaving the factory in order to guarantee our hundred percent Haimer quality. Claudia Haimer is convinced that 'quality wins': "This is our slogan and our philosophy. Our customers can rest assured that Haimer products will always be of the same high and reliable quality."

Illustrations:



*B1_Haimer_Products.jpg:
Haimer manufactures 3500
different parts in its plant in
Igenhausen The machines Tool
Dynamic for tool balancing and
Power Clamp for shrinking that are
also available are not shown in this
illustration. Illustrations: Haimer*



*B2_Haimer_Igenhausen.jpg:
A lot of space in the new Haimer
Logistics building on the site in
Igenhausen. Worldwide sales are
supported by our subsidiaries in
Chicago and Hong Kong.*



*B3_Haimer_ClaudiaHaimer.jpg:
Claudia Haimer puts her faith in precision and
quality.*



*B4_Haimer_Robot.jpg:
Expedient automation: the robot cell in the
production at Haimer.*



*B5_Haimer_cooling sleeves:
Mini Shrinks are particularly slim-line shrink
fit chucks made by Haimer. There a
matching cool sleeves available for all
sizes.*



*B6_Haimer_ERultrashort.jpg:
Smart solutions even for well-known technologies: the ultra short ER collets made by Haimer provide larger work areas on machines. Illustration: Haimer*



*B7_Haimer_saw_cooljet.jpg:
Effective detail: Haimer Cool Jet holders (for saws in the illustration) are equipped with three slanting cooling bores that allow optimum flow of the coolant to the tool. Illustration: Haimer*



*B8_Haimer_TD2002.jpg:
Machines such as the Tool Dynamic are also a part of the Haimer product range. This is a modular balancing system for tool holders, grinding wheels and rotors. Illustration: Haimer*

310 Please find further information at www.haimer.com or give us a call by dialling:
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