

“

We have

PRECISION IN OUR DNA

and have been manufacturing micro cutting,
blanking and forming tools since 1964!

”



ZECHA has been a

PIONEER AND

ZECHA Hartmetall-Werkzeugfabrikation GmbH has been a pioneer and trendsetter in the field of micro cutting, blanking and forming tools for over half a century. The company's origins in the chronograph industry can be seen not only in its uncompromising specialisation in the production of miniature tools of the highest precision, but also in its special tool solutions. In order to optimally meet the global demand for high quality tools, ZECHA has entered into partnerships with reliable partners.

ZECHA can draw on a superb combination of knowledge and technology to ensure the ongoing development of both the company and its tools, enabling it to provide its customers with the best possible solutions. The strategic partnerships with the blanking and forming tool manufacturer MPK Special Tools GmbH based in Schwäbisch Gmünd and the ZECHA PRECISION TOOLS LIMITED in Mumbai create an ideal synergy for the development and production of new tool technologies. Regional sales and

production competences assure customers worldwide optimal supply of current tool solutions.

In addition, Alien Tools GmbH caters for customers in the dental sector and is specialised in the sales of ZECHA dental mill cutters for dentistry laboratories and dental specialists.



TRENDSETTER

in the field of micro cutting, blanking and forming tools for over half a century. “

ZECHA aims to offer the best possible solution for every application, every material and for every dimension, however tiny - with tools that are the best in precision, resistance and quality backed by customised consultancy. The implementation rests on securely anchored values:



PARTNERSHIP

We are trustworthy partners. We listen to our customers, partners and staff. We care. And we support everybody at any time. To ensure our long-term working relationship.



INNOVATION

We keep up with the times. We are keen to learn new things. And foster them. So that we remain competitive.



TECHNICAL KNOWLEDGE

We know what we are about. We are proud of our roots. And we share this knowledge. So that our knowledge continues.



HEART AND SOUL

We seek to be inspirational. We love micro-tools. And have precision and quality in our blood. So that our products also inspire you.



OPTIMISATION

We always want to do a good job. We want to develop further. And continue to learn. To assure the future.



QUALITY & ENVIRONMENT

Moreover, as one of the leading players in the sector ZECHA is aware of its unique economic and social responsibility and places great value in quality and environment.

“ Start small, GROW

steadily and never lose sight of the horizon. ”



“Start small, grow steadily and never lose sight of the horizon.”

This was the maxim applied by tool maker Erwin Zecha and his wife Elvira Zecha when they founded the company over 50 years ago. Erwin Zecha formed

the bedrock for his company in evening "homework" on 12 square metres in their flat in Stein, where, between 1962 and 1964, two lathes were used to produce blanking tools for the chronograph industry.

01.04.1964

Founded in 1964, by Mr. Erwin Zecha, at his own house. He first focused on the production of special carbide tools for the cutting and blanking applications.

1991

Introduction of the first CNC modern grinding technologies.

1996

Reiner Kirschner joins the company as an employee and assumes responsibility for the blanking and shaping departments. Introduction of wire and die-sinking EDM. Zecha begins precision engineering technician apprenticeship programme

1992

Building expanded to cover 1000 m² and greater focus placed on blanking technology as a product group.

1964

1972

1985

1991

1992

1994

1995

1996

1999

1972

Move to new 450 m² building in the Benzstraße, where the company is still based to this day.

1994

Expansion of exhibition activities with own exhibition stand

1999

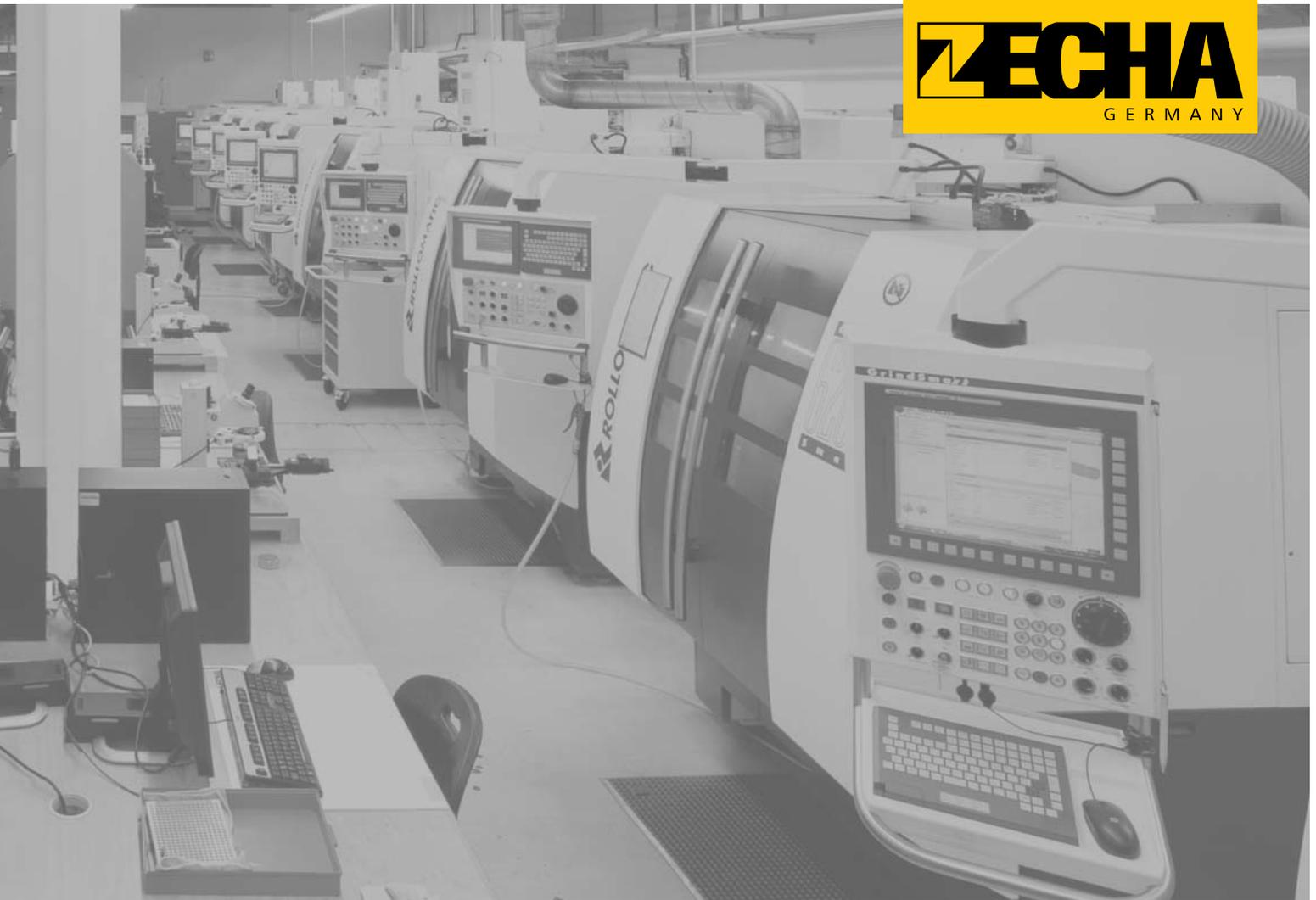
51 employees, sales share: 55% forming tools, 40% machining tools. Two production lines: a mechanical one for small-scale series and rush jobs and a CNC line for 2-shift production. Introduction of the PPC system Abas. Start of the Indian-German joint venture with Dagger Master Tools Limited

1985

Stefan Zecha joins the family business; dedicated department established for centerless grinding.

1995

Stefan Zecha takes over the reins of the family firm



2000

Expansion of the old building to 2,600 m² and enlargement of the departments centreless grinding and CNC grinding. Corporate restructuring of the individual forms into the German legal forms of GmbH and GbR, Reiner Kirschner appointed managing partner of the ZECHA GmbH as well as partner of ZECHA + KIRSCHNER GbR

2006

Introduction of the ultrahigh precision mill cutter series for graphite, copper and hard material machining as well as the 100% final inspection and labelling of all tools with a service life number at the shaft end. Share of machining tool sales exceeds blanking tool sales for the first time.

2015

Start with the high precision laser machining centre LaserSmart 500 and the high-end tool series IGUANA. Introduction of a state-of-the-art technology enables machining finest structures and ultra-hard materials such as CBN, CVD, PCD, MCD and natural diamond.

2017

Company building in Stein expanded by an additional 325 m². Founding of Alien-Tools GmbH as a dedicated sales organisation for ZECHA dental cutters

2008

Introduction of the nano-cutting technology and investment in an REM measurement device for comprehensive tool Analysis.

2000

2002

2004

2008

2006

2009

2014

2015

2017

2019

2002

75 employees, organisational and spatial restructuring of the company. Set up of a standard blanking tool store as well as further micro machining specialisations

2004

Introduction of the measuring technology with which the smallest tools can be measured in 3D, fully automatically, contact-free and μ -precise.

2009

A greater international focus placed on building up our own marketing operation abroad and the expansion of technological marketing at home. Customer proximity and product-specific know-how is thereby ensured.

2014

ZECHA celebrates its 50th anniversary. Company buildings extended to include a logistics centre for our catalogue range.

2019

Greater international focus on the Asian market by renaming Dagger Master Tools Limited to ZECHA PRECISION TOOLS LIMITED. Sales shares: 75% machining tools, 25% forming tools

“ We are passionate

ABOUT

Our final product is minute -
the know-how behind it enormous. ”



Precision and quality is essential in the international tool deployment in different branches such as, for example, in the medical and dental sector, chronograph industry, automotive sector or in tool and forming construction. Wherever "μ" plays an important role, ZECHA tools are there to ensure superb surface qualities, narrowest tolerances and high service lives. A modern CNC machine park, high-end measuring and testing technologies and carefully selected carbide manufacturers are guarantees for the exceptional perfection of ZECHA tools.

Research & Development

ZECHA's own internal research and development department produces the latest geometries and tools for a vast array of applications and ultra-modern materials to provide the customers with the latest further developments and innovations.

Reproducibility

In addition, the reproducibility of the tools is assured, even after many years, via the life number applied to the end of the shaft of every tool. The application to the shaft end does not affect concentricity.

Logistics & Sales

An automated high-bay warehouse measuring almost 10 metres stores and manages 10,000 different articles - almost half a million tools - easily and flexibly on a minimal surface. This not only benefits our staff: the efficient storage system means that our customers usually receive their goods on the following day.

MICRO TOOLS

Quality Assurance

ZECHA stands for products that meet the highest quality requirements. As a DIN EN ISO 9001:2015 accredited company, quality management is securely anchored in all processes.

Measuring technology

Ultramodern measuring technology worth almost two million euros in fully air-conditioned rooms, documented measuring protocols and accredited internal systems contribute to the quality assurance specifically tailored to customer wishes

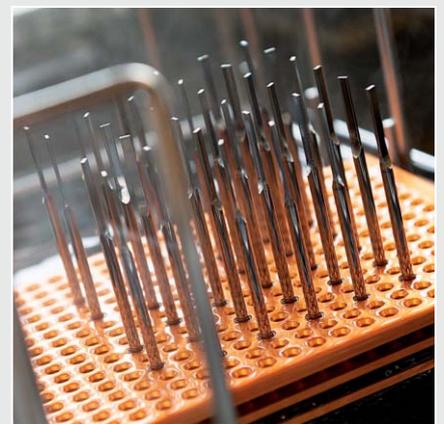
100%-control

Every single ZECHA tool passes through strict quality controls. A measurement of the tools as well as a control following manufacture ensure that only flawless quality leaves the factory. The high-end series are additionally 100% measured and receive a packaging label with the actual dimensions.

Wirk-Ø	/ Effective-Ø	5,993	 
Ist-Ø	/ Actual-Ø	5,992	
Rundlauf	/ Concentricity	0,001	

Cleaning Plant

We boast two cleaning plants - a four-chamber ultrasound system and a hydro-carbon vacuum plant - which are employed between the individual work stages of the manufacturing process and the exit inspection to remove any residue and impurities on the tools. An investment that pays off and assures the quality and service of ZECHA tools. - This is because cleaned tools are essential both for effective visual inspection and correct measurement as well as for the adherence of high-quality coatings.



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