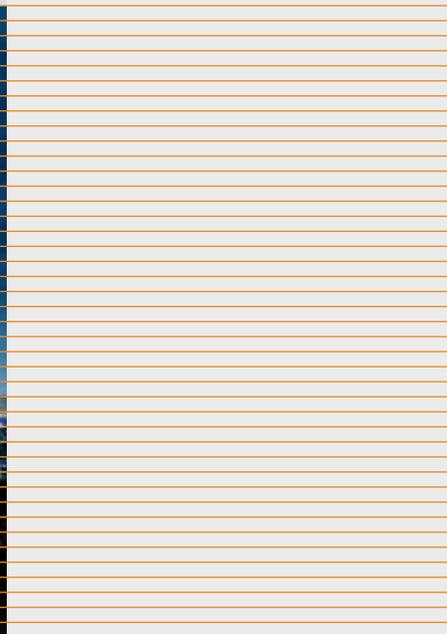


**We change the world,
not from the outside
but from within.**



An enquiring spirit comes from within. **Curiosity takes us further.**

That feeling of burning curiosity is incomparable. It releases boundless energy to get to the bottom of things.

Diehl Metall's spirit of enquiry was awoken more than 100 years ago and still strives to harness the forces of nature. Cunning use of fire and water, a deep understanding of the melting process and technological expertise in the field of non-ferrous metals are necessary for the things we do.

We develop alloys for today's applications and thus shape the technologies of tomorrow. Diehl Metall products make a significant contribution to our daily lives and to the expansion of infrastructure.

They can be found hidden, behind virtually every door.

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Well connected all over the world	18



Fascinating ideas
come from within.
**Technologies for
success by
Diehl Metall.**



The material CUPHIN®



Water meter housing



Wire



Strip



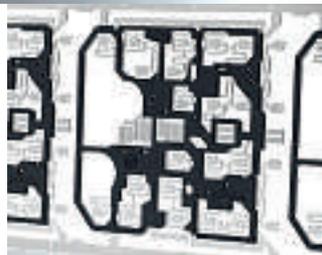
Synchronizer rings
in brass and steel



Coated profiled strip



Stamped foils



Overmoulding and Assembling



LED-Housing with overmoulded stamped parts with press-fit zone

We are all around you – especially where you least expect it. Diehl Metall products function not in plain view. They are a part of daily life. They ensure dynamic mobility, make life more convenient and communication easier, providing a good feeling and a sense of security. Customers all over the world rely on our expertise as a partner for development and sophisticated design solutions. Shaping the future and enjoying success together – and we can rely on more than 100 years of experience in achieving it.

Health and well-being
come from within.
**Sustainable product
developments by
Diehl Metall.**

Drinking water is essential to our survival. Consumers want to feel sure that the water flowing out of the tap is free from harmful substances.

One of the most important aspects of drinking water pipings and fixtures is the selection of suitable materials.

Diehl Metall material solutions are ideally suited to the plumbing and heating industry, as they meet high standards of safety, corrosion resistance, hygiene and mechanical properties. Ecology and economy are closely connected: our alloys conserve scarce resources, do not wear out, can easily be recycled and have a convincing, sustainably good carbon footprint.



Semi-finished products in brass and special brass alloys: Rods, hollow rods, tubes and profiles



Innovative alloys for drinking water applications

ECOMERICA[®]
PURE DRINKING WATER

CUPHIN[®]

AQUARIN[®]

Drive comes from within.
Choose the perfect partner for dynamic mobility. Us.



Casting the alloy



Cutting the bars / block saw

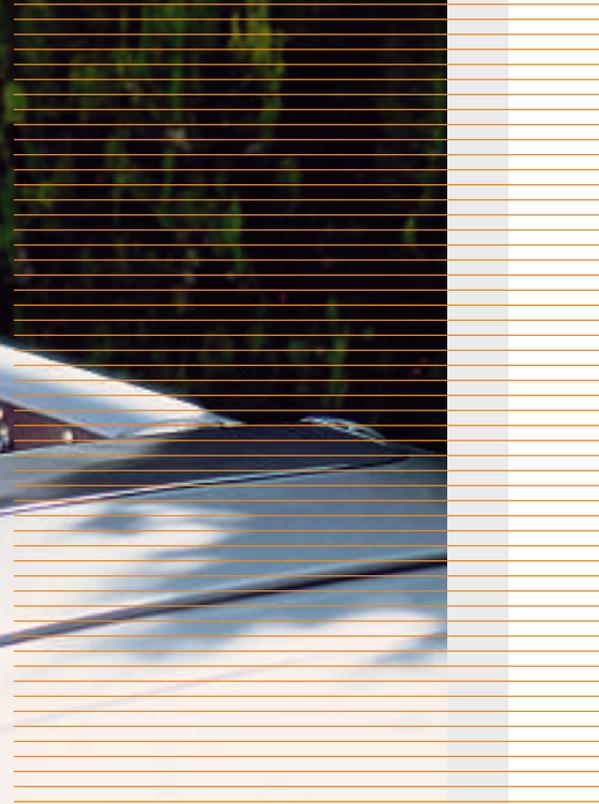


Pressing the rods



Cold-Drawing

A perfect partnership is always based on confidence. The development and production of high-performance alloys and tool construction in house provide the best conditions for the tailored design of modern engine and transmission technologies. We can hardly wait to get new projects on the road with you – in a process of trustful interchange, and all the while keeping our eye on the desired aim: smaller assemblies with higher power and lower consumption, or light weight construction. To achieve this, Diehl Metall as an international production alliance focuses on the principle of miniaturization and visible increases in the efficiency of existing technologies with innovative products. As our customer, you can be sure of receiving the required product in the desired quality anywhere in the world.



Forging process of
brass synchronizer rings



Production of steel synchronizer rings



Coating



Gearbox test bench



Our synchronizer ring: the keystone of the mechanical transmission.
Diehl Metall Schmiedetechnik is the global market leader for brass synchronizer rings.
More than 1 billion have been delivered all over the world since 1956.
Diehl Metall thinks of itself as your development partner and full-range supplier to the international automotive industry. Ask the specialists. Us.

Diehl hybrid multi-cone set:
patented Diehl Metall solution for optimum heat regulation

The drive
comes from within.
**Diehl Metall -
know-how for the
mobility of tomorrow.**



Tribologically optimized
brass materials



Swash plates



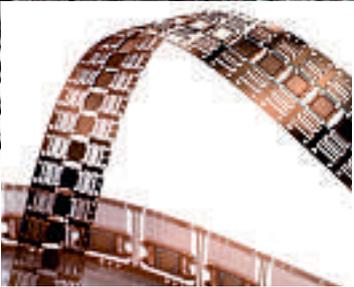
Signal-conducting harness wire



Stamped parts with
Schempp+Decker
press-fit zone

The high ecological and economic potential of a closed material cycle is our strongest motivation for sustainable, customer-oriented thought and action.

The trends of the future have been identified. Diehl Metall keeps all its material development and production, as well as plating, stamping, sheet metal shaping and forging technology operations in-house. From the start, we place great value on easily recyclable alloys and composite materials. Development services throughout the complete supply chain – in which our innovative overmoulding and assembling technology plays an important role – help future technologies such as fuel cell, hybrid and electric propulsion on their way to success.



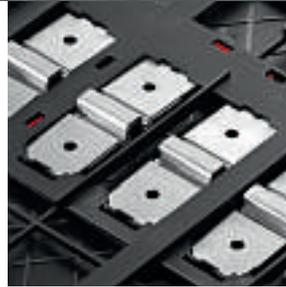
Stamped parts punched with progressive tool



Manufacturing of components



Connectors



Cell connecting system



Stamped grids

Our special alloys for automotive applications:
inquire about our material concept.

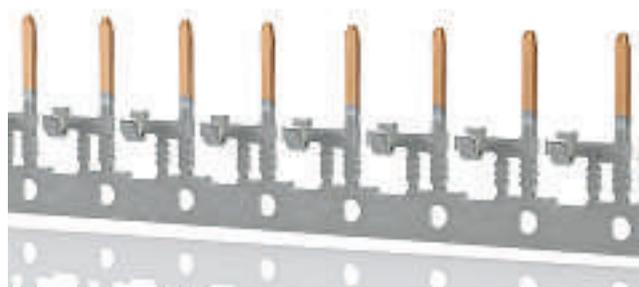
Joie de vivre
comes from within.
**Solutions by
Diehl Metall
which improve
everyday life.**



High precision stamped parts with surface treatment



High-speed precision stamping
Selective plating with nickel phosphorus



2D and 3D
Reel-to-Reel Plating





Innovative materials for electronic applications

There is no permanent reality except the reality of change, as the Greek philosopher Heraclitus said. This is particularly true of products in the consumer electronics industry. Diehl Metall considers itself as an internationally active partner of the stamping industry and electronic component manufacturers in the field of surface treatment and stamping technology. Our integrated supply chain makes us extremely flexible to answer the demands of our customers in terms of material and process requirements. To us, sustainability means innovative handling of materials and energy. We therefore place the greatest value on recyclable design for materials and surfaces.

Good to know: at Diehl Metall you can expect consistency. From the start, we combine your experience with our expertise as a developer and manufacturer. Together we will lead your product to success.



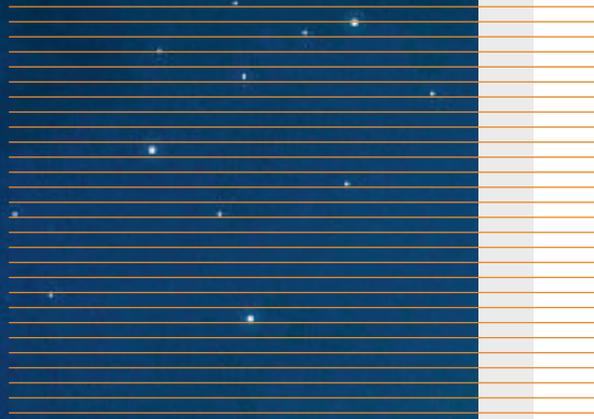
Optimism comes from within.
**As a family owned company,
experience has taught us the
necessity to always be aware
of tomorrow.**



Margarete and Heinrich Diehl
The company founders, 1902

From the small art foundry which Mr and Mrs Diehl built up together in just a few years into a leading Bavarian industrial semi-finished product business, their son Karl Diehl created an internationally leading technology corporation.

Recognizing the signs of the times, the company began to diversify just a few years after having been founded. Following this tradition, Diehl Metall puts its faith in diversity and uses the synergies of the five corporate divisions of the Diehl Group strategically. With over 14 500 employees worldwide, we are in the best position to support customers and partners as an experienced solution provider – with curiosity and a spirit of enquiry.



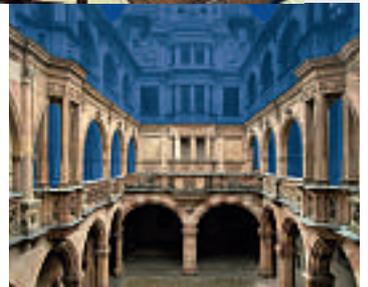
Factory 1 at Nuremberg North East station, 1917



The early phase of the company: a worker in the foundry



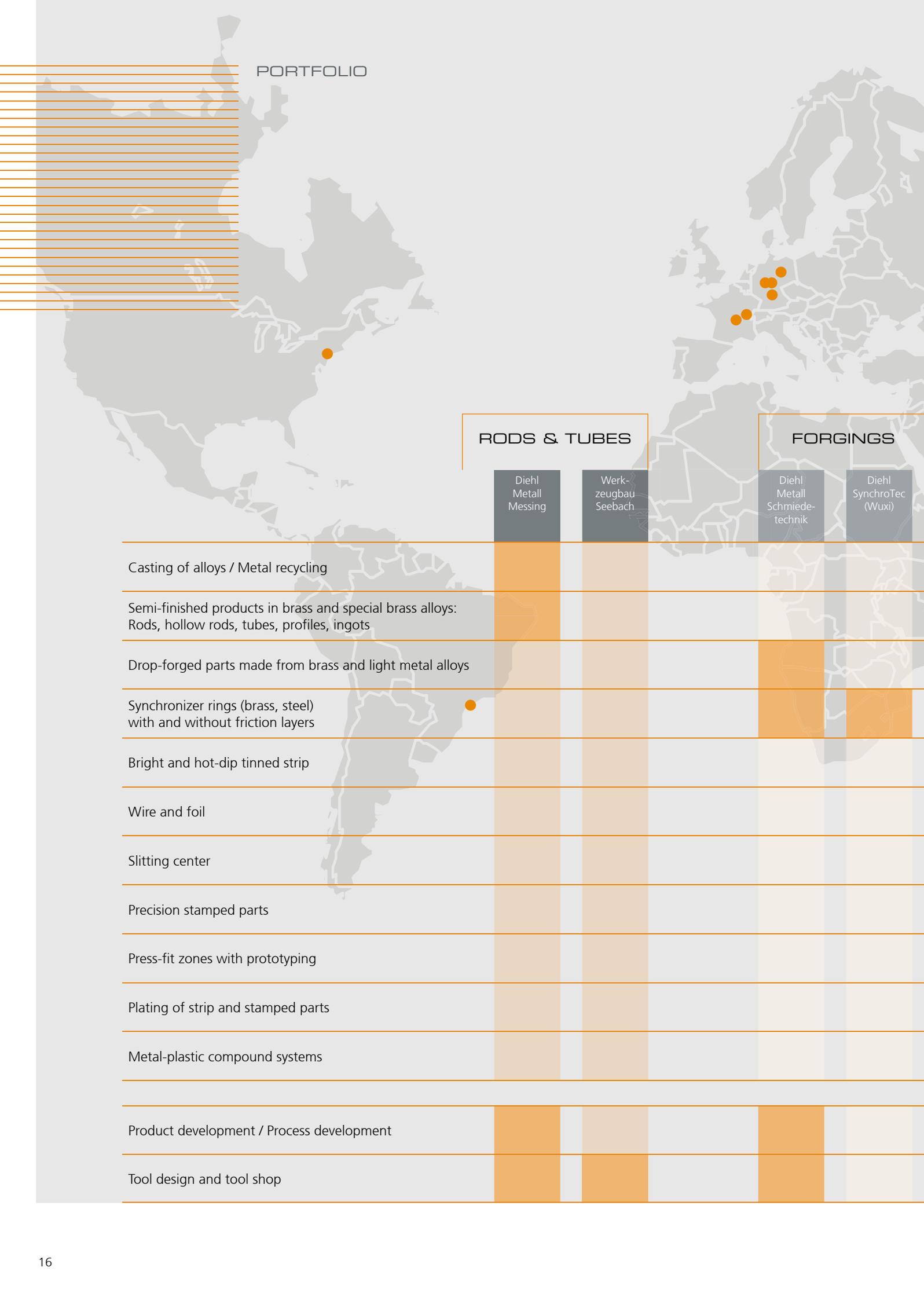
A view of semi-finished product production in the 1950s



In 2007, on the occasion of his 100th birthday, Karl Diehl donated funds to restore the courtyard of the Nuremberg Pellerhaus, a pearl of the Renaissance.

From an art foundry to a technology corporation.
Over 100 years after its foundation, Diehl Metall, with its headquarters in Roethenbach near Nuremberg, is now represented at 13 sites with over 3 000 employees.
The company has remained a family owned business since its establishment in 1902.

PORTFOLIO



RODS & TUBES

FORGINGS

	Diehl Metall Messing	Werkzeugbau Seebach	Diehl Metall Schmiedetechnik	Diehl SynchroTec (Wuxi)
Casting of alloys / Metal recycling	Yes	Yes	Yes	Yes
Semi-finished products in brass and special brass alloys: Rods, hollow rods, tubes, profiles, ingots	Yes	Yes	Yes	Yes
Drop-forged parts made from brass and light metal alloys	Yes	Yes	Yes	Yes
Synchronizer rings (brass, steel) with and without friction layers	Yes	Yes	Yes	Yes
Bright and hot-dip tinned strip	Yes	Yes	Yes	Yes
Wire and foil	Yes	Yes	Yes	Yes
Slitting center	Yes	Yes	Yes	Yes
Precision stamped parts	Yes	Yes	Yes	Yes
Press-fit zones with prototyping	Yes	Yes	Yes	Yes
Plating of strip and stamped parts	Yes	Yes	Yes	Yes
Metal-plastic compound systems	Yes	Yes	Yes	Yes
Product development / Process development	Yes	Yes	Yes	Yes
Tool design and tool shop	Yes	Yes	Yes	Yes



WELL CONNECTED
ALL OVER THE WORLD

Visions come from within.
**You can find your
development partner here.**

DIEHL

Metall

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