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CREATING POWER SOLUTIONS.



Precision in metal –  
engine components  
from Hatz


Hatz Components – Made in Germany

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We reserve the right to make all changes that  
serve technical development.



CREATING POWER SOLUTIONS.

www.HATZ-DIESEL.com



More than 100 years of experience in engine building have made Hatz a valuable partner.

**Hatz Components**

## Highest quality and precision are what makes us stand out

The most important quality attribute is the satisfaction of customers. We have received innumerable awards for services in regard to important criteria such as delivery reliability and quality.

The business field of Hatz Components produces high precision engine and drive elements such as conrods, crankshafts, casings, rotating and steering parts for engine manufacturers throughout the world. The focus here is on the commercial vehicle, automobile, motorcycle, agriculture and printing machine industries as well as the branches of racing and energy generation.

Hatz profits from the know-how of its own engine manufacturing, the existing production capacities and the many years of experience with demanding customers. Over the years, Hatz has become established as a modern service provider and consultant for customer-specific production solutions. We can offer specialized high-tech components for many industries. We manufacture to customer specifications or are already available as a partner in the development phase in order to achieve efficient solutions.

Our experienced purchasing organization has an international supplier platform which allows the realization of procurements of all types, taking into account economic perspectives in the correspondingly desired quality and delivery time.

As in all Hatz business fields, special attention is paid to quality and delivery reliability. Hatz supports customers in their zero-defect strategy and accompanies their products throughout the entire life cycle.

### Customer who place their trust in Hatz Components

▪ ▪ ▪ AUDI ▪ BENTLEY MOTORS ▪ BMW ▪ BRP ▪ DAIMLER ▪ ERIC BUELL RACING ▪ GENERAL MOTORS ▪ HARLEY DAVIDSON ▪ JOHN DEERE ▪ HEIDELBERGER DRUCKMASCHINEN ▪ KTM ▪ LAMBORGHINI ▪ LIEBHERR ▪ MAHLE ▪ MTU ▪ MWM ▪ OPEL ▪ PIAGGIO ▪ PORSCHE ▪ SCANIA ▪ SISU DIESEL ▪ STEYR MOTORS ▪ AGCO ▪ VOLVO ▪ VOLKSWAGEN ▪ ▪ ▪

# Precision components for the automotive sector

Customers all over the world place their trust in the quality of metal components produced by Hatz for the automotive sector. Precision, delivery reliability, flexibility and smooth development collaboration are especially appreciated by our customers. A modern quality assurance system, certified to ISO 9001 and ISO/TS 16949, guarantees the high standard at Hatz.



## Crankshafts

As a system supplier for engine components, Hatz Components also offers technologically sophisticated core components of the engine – like the crankshaft. The current degree of automation of the production systems allows the production of a wide range of crankshafts for Hatz diesel engines and other well-known engine manufacturers today. After passing quality checks, crankshafts produced by Hatz Components do their job in a wide variety of applications such as in motorcycles, in high-performance engines for the racing sector, in snow mobiles, in jet skis as well as in the small commercial vehicle segment.

## Connecting rods

As a specialist in the production of connecting rods, starting from 1-cylinder engines up to heavy duty 12-cylinder applications, all conrod-specific requirements across all segments are mastered by Hatz. In addition to form, oval and deep hole drilling, this also includes the crack technology as well as separation cut and profile toothing. The machining of high-strength, micro-alloyed steels, aluminum, cast iron, sintered materials is self-evident and is rounded off in particular by the machining of titanium. With an annual production of several million pieces, connecting rods are the top selling products from Hatz.

## Lathed and milled parts

To be competitive in the production of lathed and milled parts nowadays, it is essential to master the production processes, know the materials and their behavior, and perhaps the most important aspect, have the right machining tools available for all steps of production.

Thanks to our own engine production and in-house manufacturing, there are more than 100 machining tools in operation available at Hatz. Hatz Components is thus able to offer competitive lathed and milled parts up to complex casings such as pumps and engine crankcases made of aluminum.

## Assemblies

Hatz Components is a system provider. For well-known customers – primarily in the motorcycle and recreational vehicle industries – not only do we produce connecting rods and crankshafts, we also assemble them into a mountable drive component for the customers and check that they perform according to customer specifications. For the customers, this provides the advantage that his fully automated production line does not need to be loaded with difficult to automate processes.



Innovations and continuous improvements ensure cost-effective metal processing

Hatz Components

## We manufacture on an individual and flexible basis, from single piece to large series

Thanks to our experience and expertise in all conventional production processes, we also offer our own specialized and developed machining processes which meet the technical requirements of “High Performance Products”.

### Production lines

In order to meet the qualitative, logistical and economic requirements of the automobile and commercial vehicle industry, we rely on the high flexibility of our production systems at Hatz Components. Thanks to an optimum degree of automation deployed, the greatest possible efficiency is also achieved. The high degree of process safety and reproducibility of our applied production processes fulfills the basic expectation in regard to the “zero defect strategy”.

An example of this is the high level of available production technologies which is always kept to the latest state of production technology at Hatz Components with leading machine manufacturers.

Hatz Components produces a highly diversified product range with efficient and flexible processes. This enables Hatz to be competitive in small and large series production as well as in the prototype and OEM after-sales segment.

### Production processes

From the initial idea up to series production, be it for a single piece or fulfilling the need for small or large series, Hatz Components is always a reliable and competent partner who can provide the know-how of a renowned engine manufacturer.

Through knowledge gained over many years, Hatz Components provides customized solution concepts regardless of the material or alloy to be mechanically machined:

- Steel of all types (low, high or micro alloyed)
- Gray and nodular cast iron
- Titanium
- Aluminum
- Sintered metals



### Flexible

From the perspective of cost-effectiveness, both production lines with a high degree of automation and flexible standalone manufacturing can be deployed for the production.



### Individual

Thanks to our own special machine building facility, adaptation to special customer requirements is possible. This also includes the Crack technology in addition to the finish processing of crankshafts and conrods.