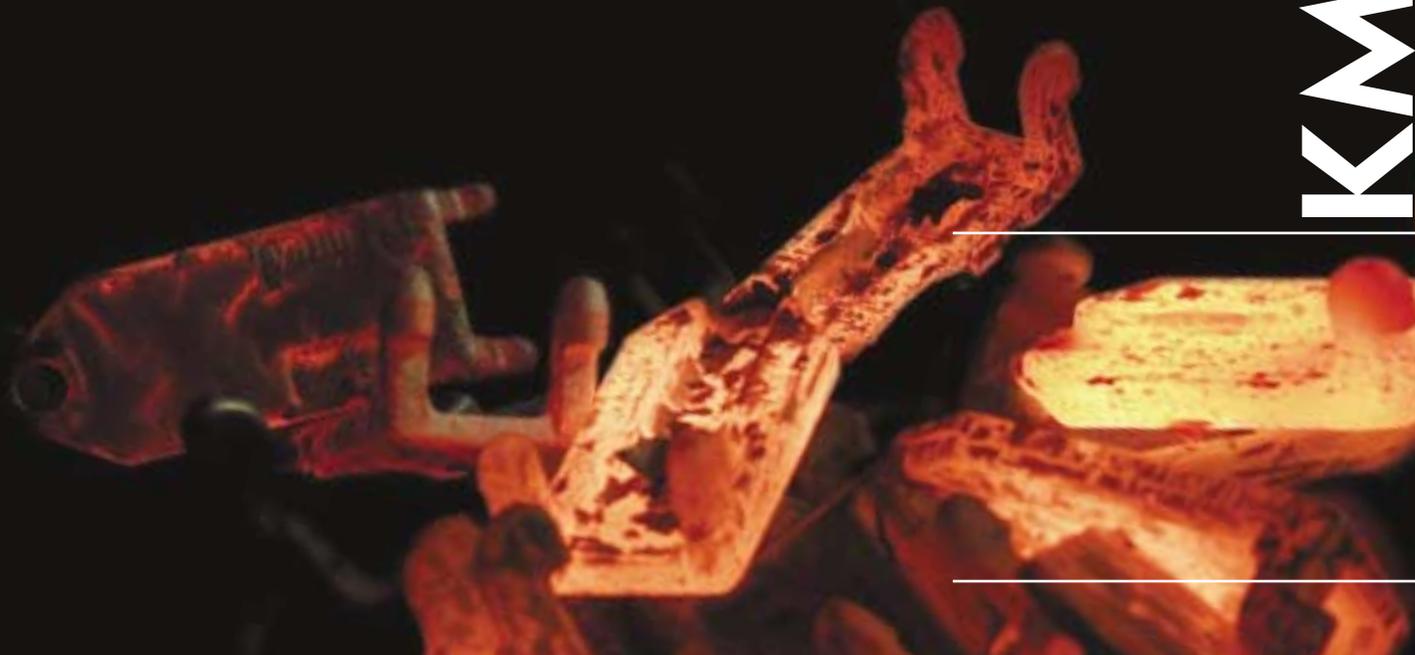


DROP FORGE



KMS

FORGED COMPONENTS FROM DESIGN TO PRODUCT

Forged components from KMS are found in middle- to high range cars worldwide. Our clients value short development periods, absolute adherence to delivery deadlines and first-class quality. In close coordination with the client, KMS engineers develop forging models together with required tooling to create an optimised forge-processed product, which can be mass produced in uniform quality and to minimum cost due to detailed and experienced tool construction.

KMS's clients set high standards due to their requirements for high quality products and optimum coordination between all involved parties. KMS delivers just in time, which means that quality, delivery volumes and deadlines must be precisely adhered to at all times.

KMS produces for the car industry which, due to the ever increasing emphasis on passive car safety, utilises the quality advantage of the higher strength of forged parts. Manufacturers of middle- to high range cars value the durability and resilience of solid forged hinge systems.

KMS manufacturers forged components of sometimes very complex form and geometry. KMS's product range includes hinges for doors, hinges for front and rear bonnets/hoods, levers for convertible top systems, cylinder heads and injectors for common-rail systems.

KMS products are distributed to all countries in the EU, NAFTA and Eastern Europe. There is a reason why our client's value the products produced here. KMS delivers systems which precisely meet the client's requirements.

KMS engineers are available for consultation during the specification phase and advise during forged component design. Based on the client's data, a 3-dimensional CAD forging model is created to serve as the basis for manufacture of all tooling. This 3-D CAD forging model guarantees precise serial production of varying tools to absolute uniformity.

KMS was formed by the merger of the long-established companies of August Küpper, Karl Musshoff and W. Hugo Schlemper, who together share a know-how of nearly 130 years. In 1986, the company was brought to its present form by Franz-Otto Uhe. KMS is the massive-forming manufacturing specialist for the cost-optimised production of highly durable and technically complicated construction parts and components. Furthermore, we are the development partner for our clients.

The KMS manufacturing spectrum:

- hinges for doors and front and rear bonnets/hoods
- levers for convertible top systems
- cylinder heads and injectors for common-rail systems
- various components for use in machine construction, civil construction, etc.
- complex geometric components in lengths up to 1 m, depending on uniformity grade
- prefabricated components up to 4 kg in weight
- further development to complete systems possible with cooperative partners.



The manufacturing equipment:

- hydraulic pressure hammer facility to 55 kJ
- conductive and gas warming facility
- toggle lever press to 1,000 t compressive force
- eccentric press to 400 t compressive force
- high-performance steel bar cutters
- integrity testing facility
- CAD-CAM facilities
- 3-D measuring machine

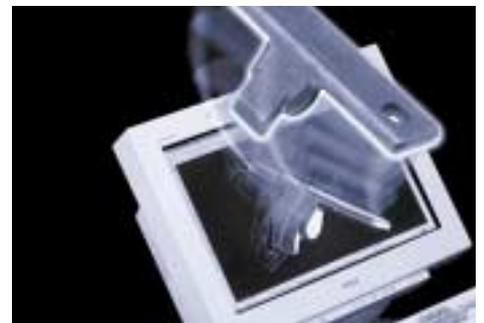
We have gained the trust of our clients through quality, performance and long reliable cooperation. We will continue to work in this tradition and perspective:

healthy growth, together with our clients. Our certification to ISO/TS 16949 confirms the continual appliance of our QM systems. Further information can be gained in the internet under www.kms-solingen.de

The long-established firm KMS is your competent partner for forged components. Experienced engineers accompany the development process from draft to manufactured part. Our tool construction guarantees top quality, which we deliver just-in-time. This makes us a leading specialist in the product range of hinge components.



KMS



SATISFIED CUSTOMERS IS OUR SUCCESS

CONTACT

Here's how you find us in the heart of the Bergischen region:

From the A 3

- A 3 exit 20 Solingen
- B 229 direction Solingen
- In Solingen, turn left on to Löhdorfer Straße and follow for ca. 5 km
- After passing the railway bridge, turn left into the "Schmalzgrube" industrial estate

KMS

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We look forward to your visit!
