

25 Years ARLA
1984 - 2009



Introduction of ARLA ...



ARLA's activities ...

ARLA® Machine Products

- CNC machining units (slide & spindle units)
- concentric clamping of shafts, pipes, tubes
- customer solutions (indexing drums for trunnion machines, endworking units & ARLA's workholding technology); applications for the automotive and aviation industry

ARLA® Engineering Service

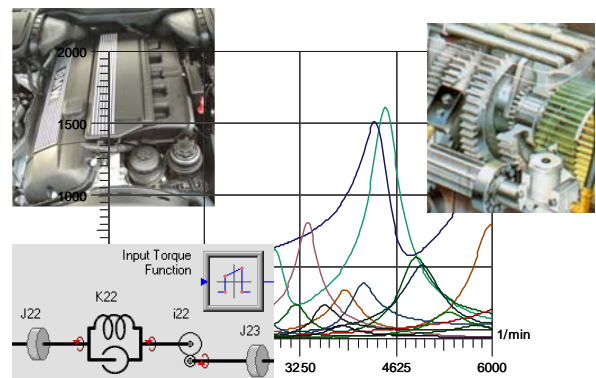
- customer support "made by engineers"
- professional engineering & training services (computer simulation: SimulationX / ARMD / ARLA solutions)
- integrating ARLA's engineering services in ARLA's machine products (e.g. design and building of test rigs)
- special applications for the automotive industry



← Remscheid



← Köln (Cologne)
Bergisch Gladbach



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COMPANY PROFILE



Arnold Laschet sen.

In **1918** *Arnold Laschet senior* set up a company in Essen (city in the Ruhr area of Germany), specialized in mechanical and electrical engineering, design of tools, fixtures, jigs, gears, devices, special machine tools, and made-to-order production. After World War II, his two sons *Arnold* and *Guenther Laschet* took over the management of his company. Since then the products, which have always been linked to the name of **ARLA** (abbreviation of the senior's name *Arnold Laschet*), have been continually developed and distributed.

The further growth of the family-owned business led to splitting the company into two independent legal entities in **1984**. *Guenther Laschet* and his son *Dr.-Ing. Andreas Laschet* set up the company **ARLA Maschinentechnik GmbH** in Kuerten, a small town near Cologne. In **2002** the company moved to a new location in Wipperfuert.



Guenther Laschet

The name "*Maschinentechnik*" stands for both machine products and technical software, engineering services, and consulting. The ARLA Maschinentechnik GmbH and its highly qualified staff aim at further developing, testing and selling their own **ARLA[®] Machine Products** (such as



endworking machines, slide & table & spindle units, workholding fixtures, shift & engage levers). Due to customers' requirements, the R&D activities have included the introduction and professional use of latest CAD technology right from the beginning. Furthermore, computer simulation software (own development) is used for optimum design and testing. The cooperation with customers during every stage of development has always been one of the principal company targets to ensure high quality. ARLA presents its mechanical products at important international fairs and shows: IMTS in Chicago (USA), EMO in Hanover (Germany), METAV+TUBE in Dusseldorf (Germany), AMB in Stuttgart (Germany), AIRTEC in Frankfurt (Germany).



Dr. Andreas Laschet

Another important field of activities covers **engineering services, technical software products** and also **software and hardware systems** for computer simulation and virtual engineering (**ARLA[®] Engineering**). The state-of-the-art computer simulation software packages **ARLA[®]-SIMUL** and **ARLA[®]-SIMSTAT** are well-known engineering tools to calculate the dynamic behaviour (torsional vibrations) of drive systems. Typical

applications are found in all rotating machinery, particularly in vehicles, ships, aircrafts, turbo machinery, and applications referring to power transmission engineering.

To be able to meet the increasing demands made on the simulation of vibrations a close cooperation with the ITI GmbH in Dresden started in April 1998. It is based on the simulation software **SimulationX 3.2**. Another important close cooperation started in January 1999 with RBTS, Inc. (USA) to offer the rotordynamics software **ARMD[™] 5.7** and the accompanying engineering services. As ARLA is both software developer and professional user, there is always a reference to practical use and customer-near verification of this kind of computer simulation. Worldwide, many customers in R & D and testing departments use the software with great success. Customer training courses and consultancies complete the range of products and services – this is another expertise from ARLA.

Quality, reliability, and the realization of a reasonable price-performance are the primary aims of our company - and will be so in the future.

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