



[Home](#) [About KSA](#) [Products](#) [USPs](#) [Qualification](#) [Contact](#) [Impressum](#)

History

KSA was founded in **1994** as a spin-off of the Institute of Metal Forming (IBF) at Aachen University.

Following a development and qualification phase for MT Aerospace AG and EADS Astrium N.V., we began peen forming tank segments and cone panels for the European space launcher Ariane 5 on a contract basis in **1999**.

In 2001, KSA was awarded certification for controlled shot peening and automation solutions in accordance with the DIN EN 9100:2003 standard.

Since 2001, we have been responsible for reshaping laser-beam-welded fuselage shells for Airbus using automated peen forming.

In 2004, we began working jointly with Rolls-Royce Germany Ltd & Co. KG on the development of our ISIC[®] - System for on-line process control.

Since 2004, we have also been cooperating with Aerosphere Inc. Canada on the development of automated peen forming technology for aircraft wing skins (*APF4WINGS*).

In 2006, KSA started producing tank bulkheads in large quantities for the first and second cryogenic stages of the Ariane 5 launcher.

KSA expanded its production capacity **in 2008** by investing in a flexible, robot-operated workstation for a variety of peening applications using shot of 0.3 - 4 mm in diameter.

To date, we have peen formed more than 3000 components for the aerospace industry in Aachen as a contract service and over 1000 panels as an automation solution on-site for Airbus.

