



>ASS< GROUP



ASS Maschinenbau GmbH
ASS End of Arm Tooling, Inc., USA
KNUR Maschinenbau GmbH

Gripper Components, Robot Hands And Automation Systems

ASS is your reliable partner for gripper components, robot hands, and automation systems. For more than 35 years, we have been developing intelligent solutions for various applications for the automation and robotic industries. With about 120 employees near Cologne, Germany, our subsidiary ASS End of Arm Tooling, Inc., in Plymouth, MI, USA, and other partners, we operate world-wide.

We automate complex work processes in the plastics processing industry such as material handling, inserting, de-gating, assembling and quality control. From small medical devices to truck bumpers, we cover a wide spectrum of applications.

Everything From One Source

Our core competencies include three major areas: Gripper Components, Robot Hands / End-of-Arm-Tooling, and Automation Systems. Handling solutions for fiber-reinforced plastics (FRP), especially carbon fiber reinforced plastic parts (CFRP) have become another core competence lately. Our portfolio includes vision systems, the production of Polyamide components in the laser-sintering process (SLS), the ASS PA-Forming and services, such as installation and robot programming.

In 2014 ASS acquired the majority of KNUR Maschinenbau GmbH located in Wörth a.d. Donau. KNUR develops and supplies automation solutions for lightweight and plastic parts for the automotive industry. The focus is in the field of fiber-reinforced plastics (FRP), particularly carbon-fiber reinforced plastic parts (CFRP).

ASS and KNUR form an overarching component, gripper and automation system expertise for the plastic injection molding industry and the automated, lightweight automotive industry.

ASS Robot Hand Kit (EOAT)

We developed a state-of-the art kit of components that fits together like an erector set. It gives you sheer unlimited possibilities to build your own custom robotic tooling with ease. The kit includes advanced components that enable you to build Robotic Tooling even for complex material handling applications. The ASS Robot Hand Kit (EOAT) consists of more than 1,900 components, such as grippers, vacuum cups, profiles, and special gripper components.

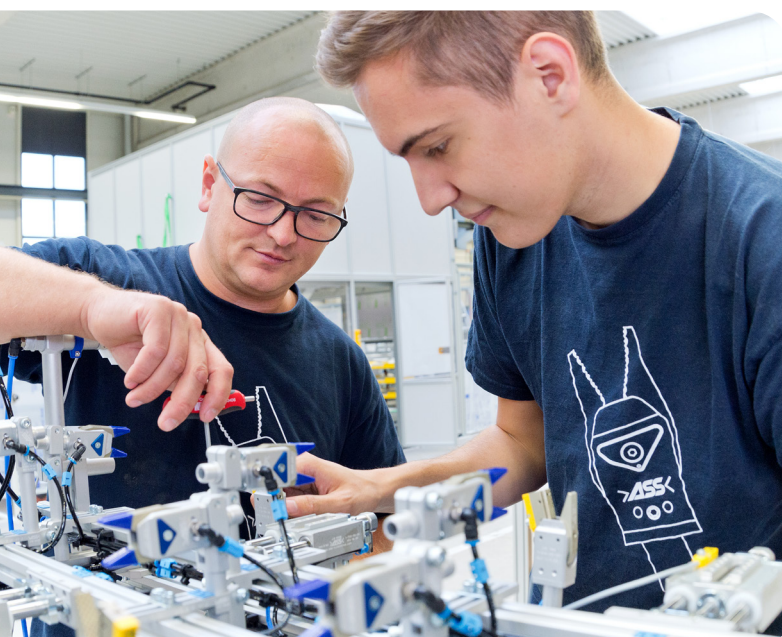
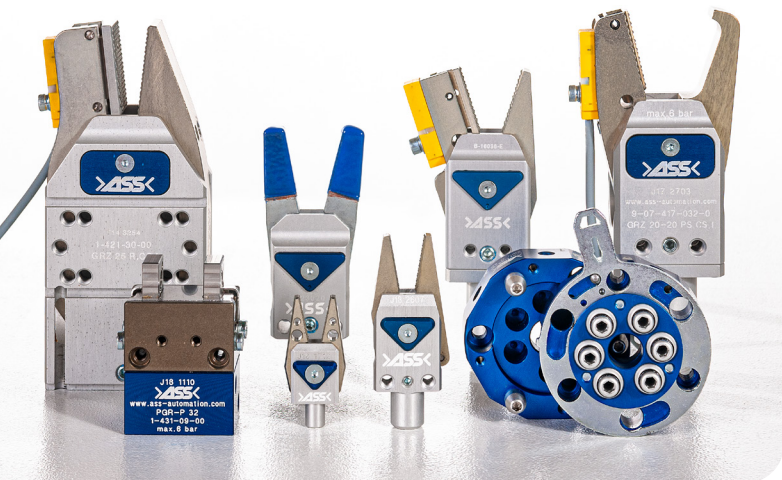
According to your specifications we design Robotic Tooling from our array of grippers, vacuum cups, and aluminum profiles. We can also integrate them into your existing automation. We offer our components in different sizes to accommodate an ideal fit for your part size. All components fit together like an erector set. Most parts are in stock and ready to ship the same day.

Highest Quality Standards

Quality, speed, and reliability are our daily business. It is our permanent incentive to meet the increasing demands in the plastic moulding and lightweight automotive industry.

All ASS-labeled components are developed, manufactured and produced at our factory. They are produced or delivered complying to the highest quality standards according to the EG-Machinery Directive.

All actuated parts have a declaration of incorporation or a declaration of conformity. Our quality management is certified according to DIN ISO 9001 standards.



ASS End of Arm Tooling, Inc.

„German Engineering“ Overseas

ASS End of Arm Tooling, Inc. is the subsidiary of ASS Maschinenbau in the US. The facility is located in Plymouth, MI, in the Greater Detroit area. ASS End of Arm Tooling, Inc. equips the US, Canada and Mexico with gripper components of the ASS Robot Hand Kit (EOAT) catalogue and with robotic tooling.

ASS, Inc. in the US has its own technical centre and designs gripping solutions for overseas tasks. The site has sufficient space for design, storage, service, sales, administration, and machinery. About 20 employees design and assemble end-of-arm tooling solutions using the ASS gripper components from Germany.

Local Production Of Polyamide Lightweight Components

If customised special lightweight components are required, ASS, Inc. has its own ASS PA-Forming department and a selective laser sinter machine (SLS). In 2016, ASS, Inc. started to produce customised lightweight components for end-of-arm tooling solutions.

All ASS-labeled components are developed, manufactured, and produced at our site in Germany. ASS, Inc. has access to all „Made-in-Germany“ end-of-arm tooling components and completes the scope of delivery by local production of customised lightweight components made of polyamide.



KNUR Maschinenbau GmbH

Automation For Automotive Lightweight Designs

KNUR develops and supplies automation solutions for lightweight parts and plastic parts for the automotive industry. The focus is on fiber-reinforced plastics (FRP), particularly carbon-fiber reinforced plastic parts (CFRP).

KNUR Maschinenbau GmbH is a modern and innovative company with about 30 employees located in Wörth a.d. Donau. Since 2000, KNUR has been operating successfully worldwide as an automation house, systems integrator, and manufacturer of special machines for assembling, testing, and bonding technologies.

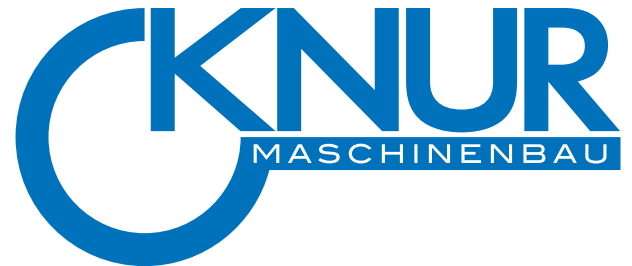
Its portfolio ranges from standard machines operated manually or automatically, planning, designing and manufacturing of customised, highly complex special machines for the sensitive automobile industry.

Focus on Automation And Bonding Technology

KNUR's Core competences are automation systems and bonding technology for FRP, particularly CFRP. KNUR designs and manufactures custom automation and technology systems for all industrial projects, from development to series production, especially in the automotive industry.

KNUR solves individual tasks economically and reliably, ranging from simple process optimisation through to complex assembly operations. Automation systems are designed specifically according to the task, this includes the respective project management.

The bonding technology is a core competency: KNUR designs and manufactures custom technology systems for all industrial projects, from development to series production. Other core fields are construction of control systems, fixtures, checking gauges, and E-Mobility.



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