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ROBOTHANDKIT



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.

ROBOTICTOOLING



Robotic Tooling To Meet Our Customers' Expectations

From our standard components, robotic tooling can be built for various applications, i.e. separation of parts, insert moulding, de-moulding, degating, quality control, and assembly. All components are designed and manufactured by ASS Maschinenbau GmbH. Every tool is made and designed according to the European Machinery Building Regulations. Quality, weight optimization, and standardization are the driving forces for new product development.

Not only do we offer to build complete robot hands made from our standard components, but if the application calls for a complete custom solution because of weight or room constraints, we will design and build custom components even if the production volume is very low.

AUTOMATIONSYSTEMS



Automation Systems For High Production Efficiency And Process Reliability

Our automation systems enable our customers to increase production efficiency and reliability, while simultaneously reducing costs and ensuring consistent quality.

Upon customer request, customized automation systems can also include the robotic integration, as well as programming. We combine material handling, conveying, quality control, robot and assembly technology into an individual custom solution and build automation systems for various applications, i.e. separation of parts, insert moulding, de-moulding, de-gating, quality control and assembly.

Our tailored automation systems include the integration and programming of robots. Quality, safety, and performance are our driving forces. We specialize in automation around the injection moulding machine with a focus on components for the automotive industry.



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

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 to planning, designing and manufacturing of customized, highly complex special machines for complex material handling applications in the automobile industry.

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

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 ISO 9001:2015 standards.

AUTOMATION SYSTEMS AND S O L U T I O N









ROBOTHAND**KIT** ROBOTIC**TOOLING** AUTOMATION**SYSTEMS**









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