



**Picture 1: Extract of the new ASS components**

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## **Gripping solutions for FRP lightweight**

*ASS Maschinenbau adds more than 100 new components to the catalogue*

- 10 At the Fakuma 2015 in Friedrichshafen, ASS Maschinenbau GmbH presents new gripper parts and an enlarged product range for the original EOAT Robot Hand Kit. To meet the new requirements fiber-reinforced plastics (FRP), particularly carbon-fiber reinforced plastic parts (CFRP) for automotive lightweighting ASS adds more than 100 new gripper components in the EOAT Robot Hand Kit catalogue. The
- 15 enlarged selection allows customized gripping solutions for various applications. The new gripper parts and handling solutions can be visited at booth B2-2005.

## **Gripping soft materials safely**

- 20 In the automotive industry, FRP materials getting more and more important: A reduced energy consumption, greater security and a longer lifetime. Lightweight components made of CFRP offer low weight, high rigidity and low corrosion. To the handling of non-rigid materials, whether textile fabric or thermoplastic carbon fiber composites optimally perform ASS presents some specially adapted to
- 25 lightweight components gripping solutions.

- More needle grippers:** the Fakuma ASS shows new needle grippers for various handling solutions. The needle grippers can be used for the handling of materials such as carbon fiber composites or soft materials in the automotive industry. Needle grippers for example allow a precise removal from the magazine and a safe insertion into the tool.

- Elastomeric Polyurethane Coating:** In order to grip soft and secure ASS presents a wear-resistant elastomeric polyurethane (EP) coating. The EP coating is highly abrasion resistant, LABS-free, heat-resistant, wear-resistant and form-compliant.
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Nearly to all components contacting parts can be added an EP coating. A selection of grippers are available in the new catalog with an EP coating. Special components like contours and even polyamide components can be coated individually too.

40 **New components for degating:** ASS presents a swiveling blade holder, new cutting inserts and protective caps for safety, as well as a query option of nippers. A special highlight is the cutting unit "guillotine" with about 3700 Newton for heavy separation tasks.

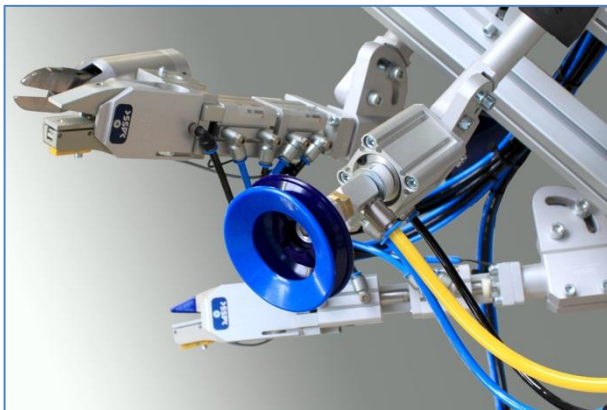
45 **New Vacuum Suction Cups:** The new 2-component vacuum cups equipped with an extra soft sealing lip have a good friction and an effective seal. This even allows to grip textured, rough, uneven surfaces.

50 **New robot hand kit catalogue and practical examples:** At the ASS booth the new EOAT catalogue will be available and you can visit practical EOAT examples and new gripper components.

55 **Quality:** All ASS labeled components are developed, constructed, and produced, at our headquarters. They are produced or delivered with the highest quality standards according to the EG-Machinery Directive.

All affected parts have a declaration of incorporation, or by a declaration of conformity. Our quality management is certified according to DIN EN ISO 9001:2008 standards.

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**Picture 2: EOAT for Bumpers**

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**Picture 3: EP Coating examples**



**Picture 4: New Needle Grippers**

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