

**CO₂ NEUTRAL
PRODUCTION**

ASSK
Automations-Systeme

NEW

**Compact!
Compatible!
Ultra lightweight!**

**The ultra-lightweight
End-of-Arm-Tooling system:
microLIGHT**

MICROLIGHT - ULTRA LIGHTWEIGHT SYSTEM



The new microLIGHT system is a consistent addition to our robotic hand construction kit: ultra-light construction, ease of assembly, maximum flexibility and compatibility in connection and application options were the focus when developing the lightweight gripping system.

Ultralight design

The microLIGHT system enables an even lighter gripper base structure and is therefore energy-efficient for the user. 3D printed components made of high-strength and durable material reinforced with continuous fibers offer the required stability as well as compactness and lightness.

Smart combinations

The design of the basic frame is modular and simple. Starting with the microLIGHT base plate, other mechatronic gripping components can be cleverly combined into an ultralight gripper using microLIGHT profiles and clamping pieces.

Compatible, flexible and scalable

With the fiber-reinforced profile and smart connection technology, larger dimensions of grippers can also be built. The microLIGHT components are designed in such a way that the mechatronic components from our Robot-Hand-Kit (EAOT) can be easily integrated. With compatibility to our quick-change systems SWM and SWH and components with clamping diameters of 6 and 10 millimeters this opens up a wide range of possible applications.

Wide range of applications

EOAT from the microLight system can be easily connected to linear handling systems, robots or cobots. Our modular system offers cross-system connections to enable economical and easy integration of the components.



microLIGHT Base Plate



Profile & Profile Connector



Angle Clamps

Part No.	Description	microLIGHT products
7-000-05-00	GPM 0/90 ML	EOAT Base Plate 0/90 microLIGHT
7-050-21-00	ML-10-10-1000	Profile microLIGHT, 10x10, 1000mm
7-050-26-00	ML-10-10-0001	Profile microLIGHT, 10x10, custom cut
7-120-03-00	KBV ML 10-10	Cross Connector microLIGHT ML 10-10
7-103-03-00	WST ML 6	Angle Clamp microLIGHT, ML-Profile to Ø 6mm
7-103-06-00	WST ML 10	Angle Clamp microLIGHT, ML-Profile to Ø 10mm
7-105-03-00	WSL ML 6 U	Long Angle Clamp microLIGHT, ML-Profile to Ø 6mm
7-105-06-00	WSL ML 10 U	Long Angle Clamp microLIGHT, ML-Profile to Ø 10mm

PRODUCT DETAILS

More information on our online-portal <https://shop.ass-automation.com/> or directly via the QR-Code:

