



Sensitive, Intelligent, Multifunctional

With its new IEG series Weiss Robotics offers a highly compact and reliable servo electric gripper with integrated controller that can be directly controlled via IO-Link.

Intelligent

The gripping modules of the IEG series have an integrated gripping control using a hybrid force controller to guarantee a high performance gripping process even in difficult applications. External position sensors and manual adjustable limit switches are no longer required as the IEG offers an integrated high resolution position sensor. It provides virtual limit switches that can be parameterized easily over IO-Link. As no external sensors are needed anymore, the interfering contours are minimized and the gripping process becomes much more reliable.

Flexible

The IEG is the clever choice for a reliable handling of different parts with a similar geometry. The integrated force control even allows a reliable gripping of brittle, fragile and flexible parts. Up to 4 different grips can be configured inside the gripper to optimally fit the workpieces.

Communicative

Thanks to its integrated IO-Link interface, the IEG connects seamlessly to fieldbus environments and PLCs of various vendors. This simplifies control, configuration and diagnosis of the gripper and gives you maximum control over your manufacturing process.

Reliable

The robust and smooth running linear guides allow a precise and sensitive gripping over the complete stroke. As another advantage the gripping force is nearly independent of the finger length. The maintenance-free brushless DC motor provides a high agility and guarantees a long lifetime.

Predictive Maintenance

At any time the IEG provides you characteristic parameters of the gripping process over IO-Link. This enables you to query e.g. the actual part width as well as the remaining gripping cycles to the next inspection to schedule the maintenance intervals well in advance. Always keep your production in optimal condition with integrated gripping modules by Weiss Robotics.

TECHNICAL DATA

Product type	IEG 55-020	IEG 76-030
Actuation	servo-electric	
Kinematics	parallel	
Gripping force	adjustable 10 - 30 N	adjustable 75 - 200 N
Max. workpiece weight (form fit / force fit)	2,7 kg/ 0,15 kg	4,3 kg/ 1 kg
Full stroke	20 mm	30 mm
Weight	0,38 kg	0,87 kg
ESD-compliant	optional	
Parameterization	4 grips	
Gripping force retention	no	



TYPICAL APPLICATION

