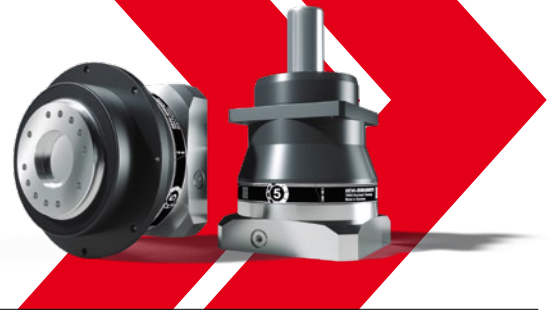


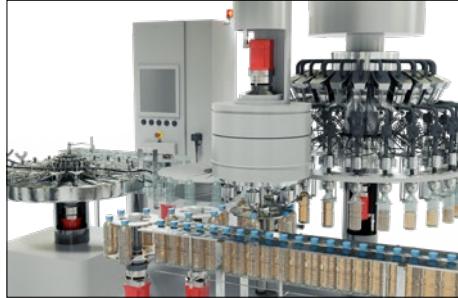
# PxG<sup>®</sup> planetary servo gear units



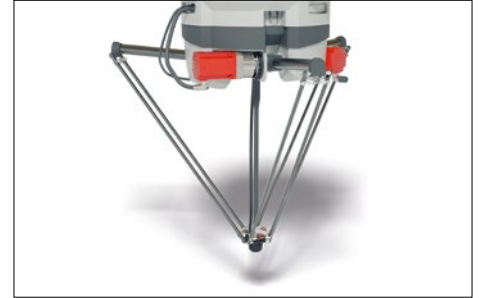
## USE CASES / TYPICAL APPLICATIONS



**P5.G.. machine tool gantry**  
 – Mounting press  
 – Drilling and pegging machine



**P6.G.. Filling and transfer starwheels**  
 – Printing machine  
 – Diaper machine



**P7.G.. Delta/tripod kinematics**  
 – Laser cutting machine  
 – Chain magazine and tool changer

## THE ADVANTAGES AT A GLANCE



**Easy!**  
 Huge time savings due to rapid integration into existing systems thanks to 100% geometrical compatibility with the market standard.



**Individual!**  
 100% configuration designed to precisely suit your requirements in terms of service life, precision and performance thanks to a comprehensive modular system.



**Durable!**  
 Up to 200% service life for seals due to use of the exclusive Premium Sine Seal.



**Powerful!**  
 High torque and simultaneously high speeds, even at 100% continuous duty.

## AN OVERVIEW OF THE TECHNOLOGY



Planetary servo gear units	P5.G..	P6.G..	P7.G..
<b>Sizes</b>	21, 22, 31, 32, 33, 41, 42, 43, 51, 52, 53, 61, 62, 63, 71, 72, 73 (NEW)		
<b>Gear ratio</b>	<b>1-stage</b>	3 – 10	4 – 5.5
	<b>2-stage</b>	12 – 100	16 – 55
	<b>3-stage</b>	64 – 1000	On request
<b>Acceleration torque</b>	66 – 4200 Nm	40 – 2000 Nm	80 – 6150 Nm
<b>Rotational clearance</b>	3 – 4 arcmin		1 arcmin
<b>Service life</b>	20 000 h (cdf 60%)	30 000 h (cdf 100%)	20 000 h (cdf 60%)
<b>Output variants</b>	Solid shaft (smooth, key or splining), flange block shaft with or without index bore		Flange block shaft without index bore
<b>Lubrication for life</b>	GearOil Poly E1 by SEW-EURODRIVE or Grease HL 2 E1 by SEW-EURODRIVE, also in H1 (food grade)		
<b>Seal</b>	Premium Sine Seal or labyrinth seal (in the case of grease lubrication)		



**Corrosion resistance**  
 Housing surfaces and the interfaces with corrosion protection as standard, no painting.

**Bearing systems**  
 Accurate bearing service life predictions using precise calculation of the contact pressure distribution.

**Gearing surfaces**  
 Precise and low-noise transfer of high torques using tribologically optimized gearing surfaces.

**Sealing systems**  
 Long service life thanks to exclusive Premium Sine Seal oil seal in the gear unit adapter.

**Tribological systems**  
 High efficiency and low wear thanks to lubrication for life with GearOil by SEW-EURODRIVE from the factory.

