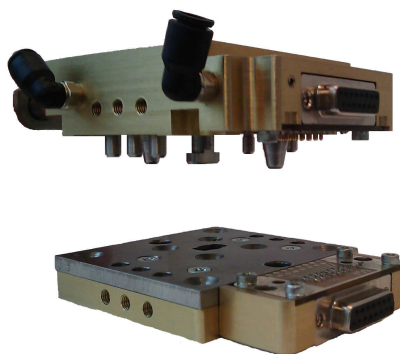




Patented technology

You are presented with a complete range of tool changer for robots which aim at shortening the slack periods on assembly lines.

The period of time for tool changer on chain can be reduced from a few hours to few seconds.

Your robot can therefore perform several tasks thanks to a mere change of tools.



Advantages

- Simple and tough locking system.
- The tools can be stored vertically or horizontally.
- Outdoor-pollution resistant system.
- High clamping potential.
- Irreversible locking in case of energy drop.
- Large choice of compatible energies.



Technical data

Technical data \ Items		GCR 5	GCR 30	GCR 100	GCR 250	GCR 500	GCR 1000
Transportable mass	kg	5	30	100	250	500	1000
Energy		M	P	P	P - E	P	P
Force in locked position	daN	60	350	1000	2000	4000	8500
Max bending moment	Nm	70	150	250	1500	3000	6500
Max torsion moment	Nm	70	150	250	1500	3000	6500
Repeatability	mm	± 0,02	± 0,02	± 0,02	± 0,02	± 0,02	± 0,02
Total weight (robot + tool)	kg	0,170	1,3	4	10,5	25	65
Clamping to the tool capacity	mm	0.7	2	3	4	5	8

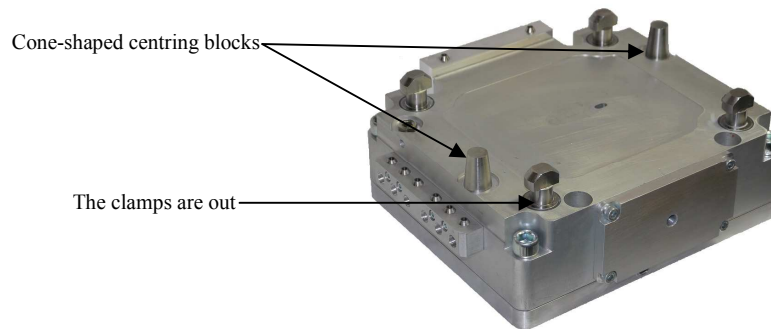


Construction of the reference

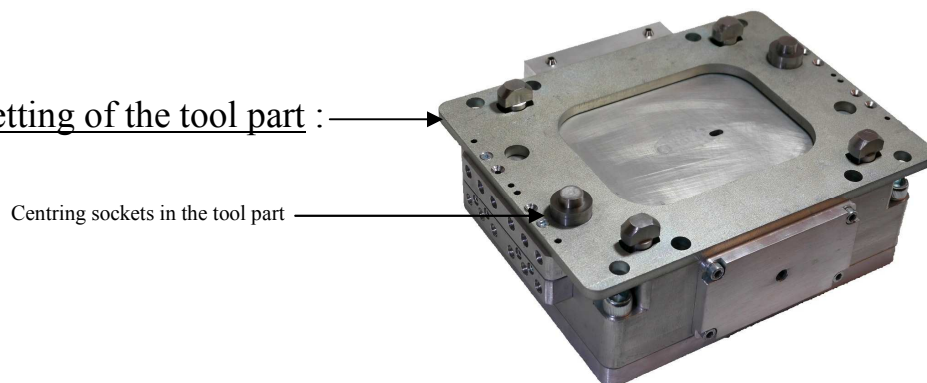
GCR	25	M	R	P	L 15
Model	Size	Energy	Interface	Pneumatic connection	Electric connection
 GCR	5 30 100 250 500 1000	M - Manual P - Pneumatic E - Electric	R : Robot side T : Tool side	Pneumatic P1 : pneumatics passages M5 P2 : pneumatics passages G1/8 P3 : pneumatics passages G1/4 P4 : pneumatics passages G3/8	Electric L 1 : pins, 3A/50VDC L 2 : pins, 5A/250VDC L 3 : pins, 13A/700DC

Other sizes, contact us

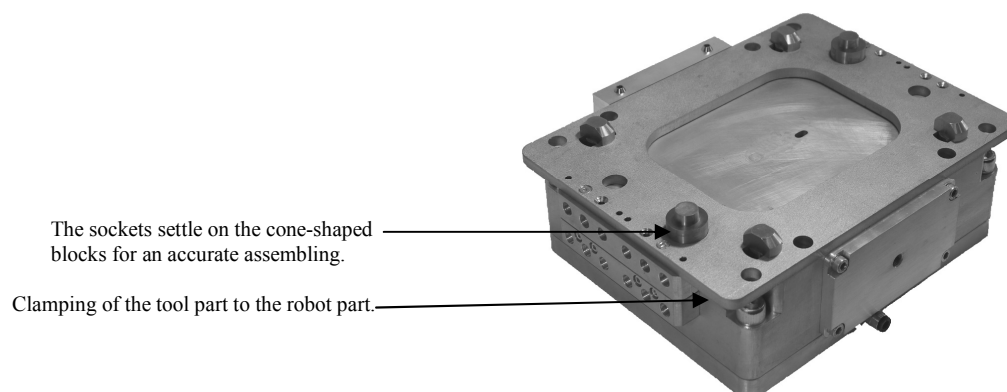
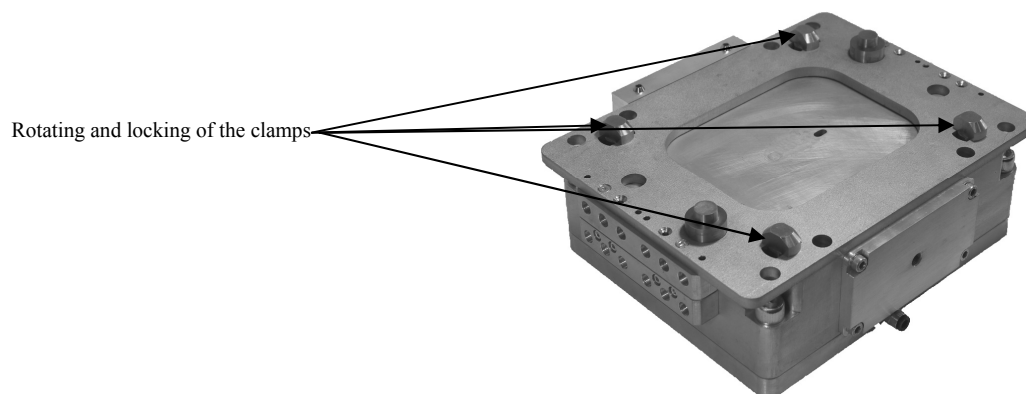
Robot part :



Setting of the tool part :



Clamping :



GCR

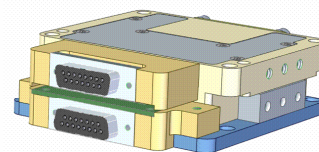
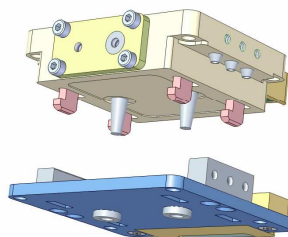
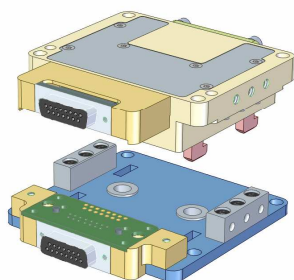
TOOL CHANGER



GCR 30

Files 2D and 3D downloadable on www.sga-automation.com

GCR	30	P	R	P1 06	L1 15
Model	Size	Energy	Interface	Pneumatic connection	Electric connection
 GCR	30	P - Pneumatic	R : Robot side T : Tool side	Pneumatic P1 06 : 6 pneu passages M5 Possibility with G 1/4	Electric L1 07 : 7 pins, 3A/50VDC L1 15 : 15 pins, 3A/50VDC L2 10 : 10 pins, 5A/250VDC L3 08 : 8 pins, 13A/700VDC

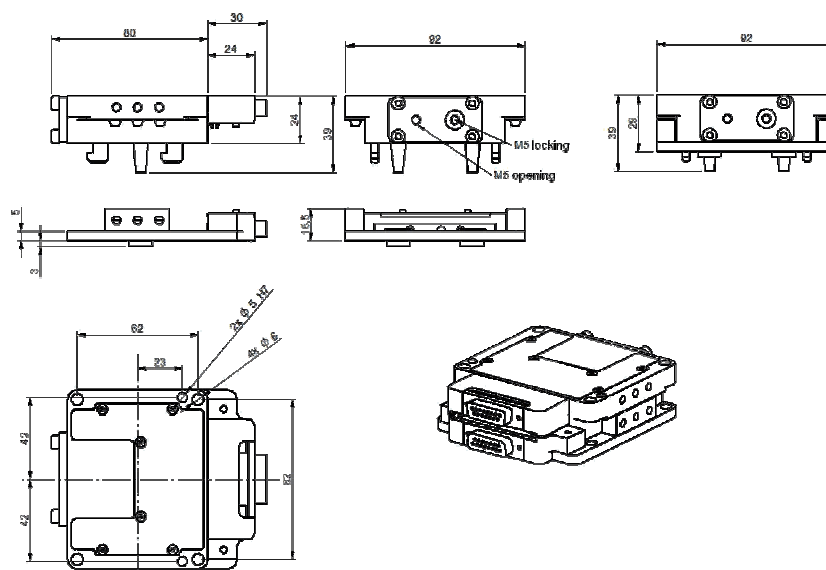


Technical data

Technical Data		GCR 30
Transportable mass	kg	30
Energy		P
Force in locked position	daN	350
Max bending moment	Nm	150
Max torsion moment	Nm	150
Repeatability	mm	± 0,02
Total weight (robot + tool)	kg	1,3
Clamping to the tool capacity	mm	2



External dimensions GCR 30 P P1 06 L15



* Dimensions are supplied for information only, they can be subjected to variations for technical improvements. We reserved us the right of bringing changes without previous notice.