



At present, a new concept has been generated in the world of robotics, and today is present in the industrial world, it is the Cobots, better known as Collaborative Robots, this generation of robotics that integrates with humans in the manufacturing environment, allowing to work in a close manner to the staff and with the support of these robots without security restrictions required in typical applications of industrial robotics.

These new robots have allowed robotic automation technology to be more accessible to small and medium enterprises, achieving greater flexibility in automation, since each robot has a task that are developed in the industry, such as the task of product handling, pick & place (pick and place), pakaging (packaging), etc.

The foundation of the Collaborative Robots is to add intelligence features that allow the machine to understand what is happening in its environment, to be able to share tasks with people just as if they were one more person. Avoid collision, stop when a presence is detected and continue when this person stops interfering with the robot's path.









Acquisition



Equipment







| Model | Features |
|--|--|
| 10 | Payload: 5 kg Weight: 33.8 kg |
| | Range of movement: 800 mm |
| | Repeatability (GB / T 12642-2001 eqv ISO 9283): 0.02 mm |
| | Degrees of freedom: 7 |
| | TCP maximum speed: 1.0 m/s |
| | IP Classification: IP54 |
| | Operating temperature |
| | 0 °C - 45 °C |
| | Tool interface: GB / T 14468.1-50-4-M6, (eqv ISO 9409-1) |
| | Dimensions of the control cabinet: 500mmx460mmx190mm |
| | I / O: Enclosure: 14Dig I / O 24V 1st, Flange mounting: 2 Dig I / O 24V 1A |
| G I (GCD2 | Power supply: 230VAC (-15% ~ + 10%), 50-60Hz |
| Cobot-SCR3 | Power consumption: Typical 400W |
| | Visual resolution (several options available): 1.3 megapixels (B & W) |
| | Payload: 3 kg |
| ma en | Cobots Weight: 18.6 kg |
| | Range of movement: 600 mm |
| | Repeatability (GB / T 12642-2001 eqv ISO 9283): +/- 0.02 mm |
| | Degrees of freedom: 7 Maximum TCP speed: 0.8 m / s |
| | IP Classification: IP54 |
| (in) | Operating temperature: 0 °C - 45 °C |
| The state of the s | Installation method: Any address |
| | Tool interface: GB / T 14468.1-50-4-M6 (eqv ISO 9409-1) |
| ()- | Dimensions of the control cabinet: 500mmx460mmx190mm |
| | I/O: Cabinet: 14Dig I/O 24V 1A |
| | Mounting flange: 2 Dig E / S 24V 1A |
| Cobot-SCR5 | Power supply: 230VAC (-15% ~ + 10%), 50-60Hz |
| | Power consumption: Typical 250 watts |
| | Visual resolution (several options available): 1.3 megapixels (B & W) |









Collaborative Robots - SIASUN



DUCO-DSCR3

Payload: $6 \text{ kg} (3 \text{ kg} \times 2)$

Degrees of freedom: 16 (ARM 7 \times 2, HEAD 2 (optional)) Repeatability (GB / T 12642-2001 eqv ISO 9283): \pm 0.02mm

Range of movement: 600 mm / single arm

IP Classification: IP 30

Control cabinet: Integrated inside the robot Operating temperature: 0 °C - 45 °C Installation: Desktop installation
Power supply: 230 VAC 50 ~ 60 HZ
Maximum TCP speed: 0.8 m/s

Weight: 70kg

Tool interface: GB / T14468.1-50-4-M6 (ISO 9409-1)

The smaller size: 557 * 470 mm



DUCO-DSCR5

Payload: $10 \text{ kg} (5 \text{ kg} \times 2)$

Degrees of freedom: 20 (ARM 7 \times 2, HEAD 6 (optional)) Repeatability (GB / T 12642-2001 eqv ISO 9283): \pm 0.02mm

Range of movement: 800 mm / single arm

IP Classification: IP 30

Control cabinet: Integrated inside the robot Operating temperature: 0 $^{\circ}$ C - 45 $^{\circ}$ C Power supply: 230 VAC 50 $^{\sim}$ 60 HZ TCP maximum speed: 1 m/s

Weight: 200kg

Tool interface: GB / T14468.1-50-4-M6 (ISO 9409-1)

Installation: movable



HSCR5

Size: 1100mmx620mmx800mm

Total Weight: 320 kg Working speed: Grip speed: 0-1 m/s

Movement speed: 0-45 m/min

Workload:

Grabbing load: 5kg Mobile load: 80kg

Safety device: emergency stop, manual / detection of the laser sensor, collision detection

Work precision: ± 0.5mm Parking accuracy: ± 10mm

Direction of movement: Advance / rewind / turn

Navigation: Laser / Magnetic

Power supply: 60AhDC lithium battery, 48V

Duration: 5 hrs

Charging mode: Auto loading / manual quick change













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Payload: 20kg Body weight: 50kg Distance: 1100 mm Repeatability: ± 0.05mm Degrees of freedom: 6 TCP Max Spead: 1 m/s IP Classification: 54

Ambient temperature: 0 ° C - 45 ° C

Installation: any address

Tool interface: GB / T 14468.1-50-4-M6 (eqv ISO 9409-1)

Control cabinet size: 650mmx650mmx230mm

I/O: Control cabinet: 14 Dig I/O, 24 V, 0.5 A, Final connection: 2 Dig I/O, 24V, 1st

Power supply: 230VAC (-15% ~ + 10%), 50-60Hz Power consumption: Typical 600W power consumption



Vehicle size: 1280mmx600mmx700mm

Gross weight: 550kg

Speed:

TCP cobble speed: 0-1 m/s Movement speed: 0-1 m/s

Useful load:

Cobots payload: 20kg Vehicle payload: 100kg

 $Safety\ device:\ Emergency\ button\ /\ Laser\ collision\ detection\ /\ Collision\ collision\ /\ other$

Operating accuracy: ± 0.05mm Parking accuracy: ± 10mm

Direction of movement: Forward / Reverse / Turning

Navigation: Natural / Laser / Multi-type Battery: Lithium Battery, 48VDC Full charge duration: 5HRS

Loading: Manual / automatic battery change, automatic charging













PF3400



J1 (**Z**) axis: 400 mm standard, 750 mm or 1160 mm options available

J2 axis: +/- 90 degrees **J3 axis:** +/- 167 degrees

J4 / Theta axis: +/- 970 degrees with servo gripper, + 110 / -470 with mounting flange

Maximum acceleration: 0.2G with 1 kg payload

Maximum speed: 500 mm / sec in Z, 1,500 mm / sec in horizontal plane with 1 kg

payload

Weight: 20 kg for the travel version of 400 mm.

Repeatability: +/- 50 μm **Maximum speed:** 700 mm / sec

Dimensions:

Travel version M: 1.37 m long x 0.23 m deep x 0.12 m high 1.5 M travel version: 1.87 m long x 0.23 m deep x 0.12 m high Travel version 2 M: 2.37 m long x 0.23 m deep x 0.12 m high

X axis: 500 mm standard, 1090 mm option available in XYZ version

Y axis: standard 350 mm

Z axis:

260 mm standard in XYZ version 229 mm standard in the XZ version

Theta axis: +/- 270 degrees

Maximum acceleration: 1.0G with payload of 500 gm

Maximum speed: 1,500 mm / sec in X / Y

Power required: Input range: 90 to 264 VAC, single phase, 50-60 Hz, 365 watts

maximum

Weight: 20 kg for the travel version of 635 mm, 32 kg for the travel version of 1270

mm









Acquisition



Equipment





Collaborative Robots - PRECISE AUTOMATION



J1 axis: +/- 160 °

J2 axis: +/- 120 degrees

J3 axis: +/- 160 + 19 degrees

J4 axis: +/- 160 degrees **J5 axis**: +/- 120 degrees

J6 axis: +/- 360 degrees

Repeatability: 20 microns in the center of the tool flange

General communications: RS-232 channel, 100 Mbps Ethernet port

Operator interface: The web-based operator interface supports local or remote control

through the browser connected to the embedded web server

Weight: 17 kg typical

PAVP6



J1 axis: +/- 170 degrees

J2 axis: + 135 / -100 degrees

J3 axis: + 166 / -119 degrees

J4 axis: +/- 190 degrees **J5 axis:** +/- 120 degrees

J6 axis: +/- 360 degrees

Repeatability: 30 microns in the center of the tool flange

General communications: RS-232 channel, 100 Mbps Ethernet port

Operator interface: The web-based operator interface supports local or remote control

through the browser connected to the embedded web server

Weight: 36 kg typical



















RG2-GRIPPER



RG6-GRIPPER

| Technical data | Min | Typical | Max | Units |
|---|--|--|---|---------------------------|
| Total stroke (adjustable) | 0 | - | 110 | mm |
| Resolution of the position of the finger | - | 0,1 | - | mm |
| Repeat accuracy | - | 0,1 | 0,2 | mm |
| Recoil | 0,2 | 0,4 | 0,6 | mm |
| Gripping force (adjustable) | 3 | - | 40 | N |
| Precision gripping force | ± 0,05 | ± 1 | ± 2 | N |
| Operating voltage * | 10 | 24 | 26 | V DC |
| The energy consumption | 1,9 | - | 14,4 | W |
| Maximum current | 25 | - | 600 | Ma |
| Operating ambient temperature | 5 | - | 50 | °C |
| Storage temperature | 0 | - | 60 | °C |
| Product Weight | - | 0.65 | ı | KG |
| | | | | |
| Technical data | Min | Typical | Max | Units |
| Technical data Total stroke (adjustable) | Min 0 | Typical - | Max 160 | Units mm |
| | | - 0,15 | | |
| Total stroke (adjustable) | 0 | - | | mm |
| Total stroke (adjustable) Resolution of the position of the finger | 0 - | 0,15 | 160 | mm mm |
| Total stroke (adjustable) Resolution of the position of the finger Repeat accuracy Recoil Gripping force (adjustable) | 0 - - | - 0,15 0,15 | 160 - 0,3 | mm mm mm |
| Total stroke (adjustable) Resolution of the position of the finger Repeat accuracy Recoil Gripping force (adjustable) Precision gripping force | 0 - - 0,4 | - 0,15 0,15 | 160 - 0,3 01 | mm mm mm mm |
| Total stroke (adjustable) Resolution of the position of the finger Repeat accuracy Recoil Gripping force (adjustable) | 0 - - 0,4 25 | 0,15 0,15 0,7 - | 160 - 0,3 01 120 | mm mm mm mm |
| Total stroke (adjustable) Resolution of the position of the finger Repeat accuracy Recoil Gripping force (adjustable) Precision gripping force | 0 - - 0,4 25 ± 2 | - 0,15 0,15 0,7 - ± 5 | 160 - 0,3 01 120 ± 10 | mm mm mm mm N |
| Total stroke (adjustable) Resolution of the position of the finger Repeat accuracy Recoil Gripping force (adjustable) Precision gripping force Operating voltage * | 0 - 0,4 25 ±2 10 1,9 25 | - 0,15 0,15 0,7 - ± 5 24 | 160 - 0,3 01 120 ± 10 26 | mm mm mm N N |
| Total stroke (adjustable) Resolution of the position of the finger Repeat accuracy Recoil Gripping force (adjustable) Precision gripping force Operating voltage * The energy consumption | 0 - 0,4 25 ± 2 10 1,9 | - 0,15 0,15 0,7 - ± 5 24 | 160 - 0,3 01 120 ±10 26 14,4 | mm mm mm N N V DC W Ma |
| Total stroke (adjustable) Resolution of the position of the finger Repeat accuracy Recoil Gripping force (adjustable) Precision gripping force Operating voltage * The energy consumption Maximum current | 0 - 0,4 25 ±2 10 1,9 25 | - 0,15 0,15 0,7 - ± 5 24 | 160 - 0,3 01 120 ± 10 26 14,4 600 | mm mm mm N N V DC W Ma |

















RG2-FT

| Technical data | Min | Typical | Max | Units |
|--|-----|---------|-----|-------|
| Total stroke (adjustable) | 0 | - | 100 | MM |
| Resolution of the position of the finger | - | 0,1 | 1 | MM |
| Gripping force (adjustable) | 3 | - | 40 | N |
| backlash kickback | 0,2 | 0,4 | 0,6 | MM |
| Operating ambient temperature | 5 | - | 50 | °C |
| Product Weight | - | 0.77 | 1 | KG |
| The energy consumption | 6.5 | - | 22 | W |
| Detection range | 0 | - | 100 | MM |
| Precision | - | 2 | 1 | MM |
| Non-linearity * | - | 12 | - | % |



GECKO-**GRIPPER**

| Material of the piece | Polished steel | Acrylic | Glass | Sheet metal |
|--|---|---------|-------|-------------|
| Maximum payload (x2 safety factor) | 4.1kg | 4.1kg | 3.3kg | 3.1kg |
| Maximum payload with cleaning | 1.6kg 1.6kg 1.3kg 1.3kg | | | 1.3kg |
| Preload is required for maximum adhesion | | 1 | 25 N | |
| Detachment time | | 5 | 00ms | |
| Do you have a part in the loss of power? | Si | | | |
| Change interval | 50,000 a 100,000 ciclos | | | |
| Autonomous cleaning system. | Piezoelectric | | | |
| Minimum execution time for cleaning | 1 second | | | |
| Self-cleaning cleaning interval and% recovery. | 15 sec: 3% / 2 min: 5%/ 15 min: 15% (max) | | | % (max) |
| Robotic cleaning system | Silicone roller | | | |
| Robotic cleaning interval and% recovery. | Variable / 100% | | | |
| | | | | |



| Type of sensor | 6-axis force / torque sensor | | | | |
|---------------------------------------|------------------------------|------------------|--------------------|---------|--|
| Dimensions (Height x Diameter) | 37.5 x 70 mm | | | | |
| Weight (with built-in adapter plates) | 245 g | | | | |
| | Fxy | Fz | Txy | Tz | |
| Nominal capacity (N.C) | 200N | 200N | 20 Nm | 13 Nm | |
| Deformation of a single axis to N.C | ± 0.6 mm | ± 0.25 mm | ± 2 ° | ± 3.5 ° | |
| (typical) | | | | | |
| Single axis overload | 500% | 400% | 300% | 300% | |
| Noise signal 2 (typical) | 0.1N | 0.2N | 0.006Nm | 0.002Nm | |
| Noise-free resolution (typical) | 0.5N | 1N | 0.036 Nm | 0.008Nm | |
| Large-scale non-linearity | < 2% | < 2% | < 2% | < 2% | |
| Hysteresis (measured on the Fz axis, | <2% | < 2% | < 2% | < 2% | |
| typical) | | | | | |
| Crosstalk (typical) | < 5% | < 5% | < 5% | < 5% | |
| Working temperature range | 0 C° / +55 °C | | | | |
| Power requirements | Input range DC 7-24V / 0.8 W | | | | |
| | 5 x M4 X 6 mm | | | | |
| Mounting screws | | 1 x M4 x 12 mm (| for cable support) | | |
| | | ISO1 | 4581 | | |











| Type of sensor | 6-axis force / torque sensor | | | |
|--|---|----------------|---------------|---------|
| Dimensiones (Altura x Diámetro) | 37.5 x 70 mm | | | |
| Peso (con placas adaptadoras incorporadas) | 245 g | | | |
| | Fxy | Fz | Txy | Tz |
| Capacidad nominal (N.C) | 200N | 200N | 10 Nm | 6.5 Nm |
| Deformación de un solo eje a N.C (típico) | ± 1.7 mm | ±0.3 mm | ±2.5 ° | ±5 ° |
| Sobrecarga de un solo eje | 500% | 400% | 300% | 300% |
| Señal de ruido 2 (típico) | 0.035N | 0.15N | 0.002Nm | 0.001Nm |
| Resolución libre de ruido (típica) | 0.2N | 0.8N | 0.010 Nm | 0.002Nm |
| No linealidad a gran escala | < 2% | < 2% | < 2% | < 2% |
| Histéresis (medida en el eje Fz, típico) | <2% | < 2% | < 2% | < 2% |
| Diafonía (típico) | < 5% | < 5% | < 5% | < 5% |
| Rango de temperatura de trabajo | 0 °C / +55 °C | | | |
| Requisitos de energía | | Input range DC | 7-24V / 0.8 W | |
| Tornillos de montaje | 5 x M4 X 6 mm 1 x M4 x 12 mm (for cable support) ISO14581 | | | |

| | Type of sensor | 3-axis for | ce sensor | Units |
|-------------------|--|---|--|--|
| | Dimensions (H x W x L) | 17 x 25 x 25 | | [mm] |
| | Weight with 1m cable (without) | 23 | (11) | [g] |
| | | Compresion fz | Fxy | |
| | Nominal capacity (N.C.) | 100 | ± 25 | [N] |
| • | Typical deformation | 3 | ± 2.5 | [mm] |
| | Single axis overload | 200% | 200% | - |
| | Large-scale non-linearity | 2% | 2% | - |
| | Resolution | 2.5 | 2 | [mN] |
| | Deformation of a single axis in N.C | 3 | ± 2.5 | [mm] |
| OMD-30-SE- | Crosstalk (typical) | < 5% | - | - |
| | Hysteresis (measured on the Fz axis, | < 2% | - | - |
| 100N | typical) | | | |
| 10011 | Working temperature range | | +80 | [°C] |
| | Power requirements | 0. | 24 | [w] |
| | | | | |
| | Type of sensor | | ce sensor | Units |
| | Dimensions (H x W x L) | 17 x 2 | 5 x 25 | [mm] |
| | | 17 x 2 | | |
| | Dimensions (H x W x L) Weight with 1m cable (without) | 17 x 2 23 c Compression fz | 5 x 25 (11) Fxy | [mm] [g] |
| | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) | 17 x 2 23 (Compression fz 100 | 5 x 25 (11) Fxy ± 25 | [mm] [g] [N] |
| | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) Typical deformation | 23 (Compression fz 100 3 | 5 x 25 (11) Fxy ± 25 ± 2.5 | [mm] [g] |
| | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) Typical deformation Single axis overload | 23 (Compression fz 100 3 200% | 5 x 25 (11) Fxy ± 25 ± 2.5 200% | [mm] [g] [N] |
| | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) Typical deformation Single axis overload Large-scale non-linearity | 17 x 2 23 (Compression fz 100 3 200% 2% | 5 x 25 (11) Fxy ± 25 ± 2.5 200% 2% | [mm] [g] [N] [mm] - |
| | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) Typical deformation Single axis overload Large-scale non-linearity Resolution | 23 (Compression fz 100 3 200% 2% 2.5 | 5 x 25 (11) Fxy ± 25 ± 2.5 200% 2% 2 | [mm] [g] [N] [mm] |
| | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) Typical deformation Single axis overload Large-scale non-linearity Resolution Deformation of a single axis in N.C | 23 (23 (24 (24 (24 (24 (24 (24 (24 (24 (24 (24 | 5 x 25 (11) Fxy ± 25 ± 2.5 200% 2% | [mm] [g] [N] [mm] - |
| OMD-20-SE- | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) Typical deformation Single axis overload Large-scale non-linearity Resolution Deformation of a single axis in N.C Crosstalk (typical) | 17 x 2 23 (Compression fz 100 3 200% 2% 2.5 3 < 5% | 5 x 25 (11) Fxy ± 25 ± 2.5 200% 2% 2 | [mm] [g] [N] [mm] [mN] |
| OMD-20-SE- | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) Typical deformation Single axis overload Large-scale non-linearity Resolution Deformation of a single axis in N.C Crosstalk (typical) Hysteresis (measured on the Fz axis, | 23 (23 (24 (24 (24 (24 (24 (24 (24 (24 (24 (24 | 5 x 25 (11) Fxy ± 25 ± 2.5 200% 2% 2 ± 2.5 | [mm] [g] [N] [mm] - [mN] [mm] |
| | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) Typical deformation Single axis overload Large-scale non-linearity Resolution Deformation of a single axis in N.C Crosstalk (typical) Hysteresis (measured on the Fz axis, typical) | 17 x 2 23 (Compression fz 100 3 200% 2% 2.5 3 < 5% < 2% | 5 x 25 (11) Fxy ± 25 ± 2.5 200% 2% 2 ± 2.5 - | [mm] |
| OMD-20-SE- 40N | Dimensions (H x W x L) Weight with 1m cable (without) Nominal capacity (N.C.) Typical deformation Single axis overload Large-scale non-linearity Resolution Deformation of a single axis in N.C Crosstalk (typical) Hysteresis (measured on the Fz axis, | 17 x 2 23 (Compression fz 100 3 200% 2% 2.5 3 < 5% < 2% | 5 x 25 (11) Fxy ± 25 ± 2.5 200% 2% 2 ± 2.5 - | [mm] [g] [N] [mm] - [mN] [mm] - [mN] |













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| | Type of sensor | Sensor de fuerz | a de 3 eies | Ţ | Units |
|-------------|--------------------------------------|-----------------|-------------|-------|-------|
| | Dimensions (H x W x L) | 10 x 11 x 15 | | Γ | mm] |
| | Weight with 1m cable (without) | 11.7 (1.5) | | [g] | |
| | | Compression fz | Fxv | | 103 |
| _ | Nominal capacity (N.C.) | 10 | ± 2.5 | | [N] |
| | Typical deformation | 1.1 | ± 1 | [| mm] |
| | Single axis overload | 300% | 300% | | - |
| | Large-scale non-linearity | 2% | 5% | | - |
| | Resolution | 2.5 | ± 2.5 | | mN] |
| | Deformation of a single axis in N.C | 0.8 | ± 1 | [| mm] |
| OMD-10-SE- | Crosstalk (typical) | < 5% | - | | - |
| ONID-10-SL- | Hysteresis (measured on the Fz axis, | < 2% | - | | - |
| 10N | typical) | | | | |
| 1011 | Working temperature range | -40 / +80 | | [°C] | |
| | Power requirements | 0.24 | | [w] | |
| | Type of sensor | 3-axis force | sensor | Units | |
| | Dimensions (H x W x L) | 10 x 11 x | . 15 | [| mm] |
| | Weight with 1m cable (without) | 11.7 (1. | | | [g] |
| | | Compression fz | Fz Tension | Fxy | |
| | Nominal capacity (N.C.) | 200 | 100 | ± 20 | [N] |
| • | Typical deformation | 1.2 | 1 | ± 1.5 | [mm] |
| | Single axis overload | 200% | 200% | 200 % | - |
| | Large-scale non-linearity | 2% | 2% | 2 % | - |
| | Resolution | 12.5 | 12.5 | 2.1 | [mN] |
| | Deformation of a single axis in N.C | 1.2 | 1 | ± 1.5 | [mm] |
| OMD-20-FE- | Crosstalk (typical) | < 5% | | - | - |
| | Hysteresis (measured on the Fz axis, | < 2% | | - | - |
| 200N | typical) | | | | |
| 20011 | Working temperature range | -40 / +8 | 30 | | [°C] |
| | Power requirements | 0.24 | | | [w] |



VG10-VACUUM-GRIPPER

| Technical data | Min | Typical | Max | Units |
|--------------------------|-------|---------|--------|----------|
| Empty | 5% | - | 80% | [Vacuum] |
| | -0.05 | - | -0.810 | [Bar] |
| | 1.5 | - | 24 | [inHg] |
| Air flow | 0 | - | 12 | [Nl/min] |
| Power supply | 20.4 | 24 | 18.8 | [Volts] |
| Current consumption * | 50 | 60 | 1500 | [mA] |
| Operating temperature | 0 | - | 50 | [°C] |
| | 32 | - | 122 | [°F] |
| Distance | 32 | - | 358 | [mm] |
| | 1.26 | - | 14.09 | [in] |
| Adjustable arms | 0 | - | 270 | [°] |
| Holding the torsion arms | - | 6 | - | [Nm] |
| Useful load | 0 | - | 10 | [kg] |
| | 0 | - | 22 | [lb] |
| Suction cups | 1 | - | 16 | [pcs.] |
| Grip time | - | 0.35 | - | [s] |
| Release time | - | 0.20 | - | [s] |
| Foot-inch-foot | - | 1.40 | - | [s] |













QUICK-CHANGER

| Technical data | Min | Typical | Max | Units |
|---------------------|-----|---------|-------|------------|
| Permissible force | - | - | 400* | [N] |
| Torque allowed | - | - | 50* | [Nm] |
| Rated payload | - | - | 10 | [kg] |
| | - | - | 22 | [lbs] |
| Weight (robot part) | - | 0.062 | - | [kg] |
| | | 0.137 | | [lbs] |
| Weight (tool-part) | - | 0.140 | - | [kg] |
| | - | 0.308 | - | [lbs] |
| Combined weight | - | 0.202 | - | [kg] |
| | - | 0.445 | - | [lbs] |
| Combined height | - | 24.10 | - | [mm] |
| | - | 0.95 | - | [in] |
| Difference of angle | | 22.5 | - | [Deg.] |
| | | 0.3927 | - | [Rad.] |
| Repeatability | - | - | ±0.02 | [mm] |
| Tool change | - | 5.000 | - | [cycles] |
| Robot operation | 10 | - | - | [M cycles] |
| Permissible force | - | - | 400* | [N] |



DUAL GRIPPER

Both the RG2 and the RG6 are available in a double clamp configuration. This allows two clamps to be installed on the same robotic arm, even without additional cables. The two clamps work as independent clamps.

The dual configuration allows the robot arm to perform more complex tasks while significantly increasing productivity, simply by being able to handle more objects at the same time. It also allows the user to adapt the configuration to the application, instead of requiring changes in the application to accommodate the automation.













