



PRODUCT CERTIFICATION  
BODY

**CEPROM<sup>®</sup> S.A.**

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## CERTIFICATE OF CONFORMITY

No. 1419-CI-32018

Technical File no. 1419-CI-32018/TY-2018001-A1

<b>Applicant:</b> <b>TOYO AUTOMATION CO., LTD.</b> No. 50, Yongkehuan Rd., Yongkang Dist. Tainan City 710, Taiwan	<b>Manufacturer:</b> <b>TOYO AUTOMATION CO., LTD.</b> No. 50, Yongkehuan Rd., Yongkang Dist. Tainan City 710, Taiwan
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### Description of product:

Product name: **ELECTRIC GRIPPER**

Model: **CHG2**

Reference standards: **EN ISO 10218-1:2011, EN ISO 12100:2010**

Based on our assessment we confirm that the Technical File of the product is in accordance with the technical requirements of the above standards and hence fulfils the technical requirements of the

**Machinery Directive 2006/42/EC**

The CE mark as show joined can be used, under the responsibility of the manufacturer or the importer, after completion of the CE Declaration of Conformity and in accordance with the above directive.



This certificate is only valid for the product and configuration described (annex), in conjunction with the detailed test data and with all applicable legal requirement for the product.  
Maintaining certification is based on compliance with the requirements of certification contract.

**Annex: Product identification – 2 pages**

**Issuing Date: 08.02.2018**

**Expiry Date: 07.02.2023**

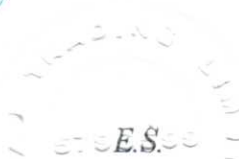


EUROPEAN UNION  
Satu Mare, ROMANIA

**GENERAL MANAGER**  
**eng. Cristian SOPONOS**



**CEPROM-CERT Manager**  
**eng. Vasile ZELE**



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ANNEX  
to the Certificate of Conformity nr. 1419-CI-32018

## PRODUCT IDENTIFICATION

**The Product:**

***ELECTRIC GRIPPER***

\*model:

***CHG2***

\*manufactured by:

***TOYO AUTOMATION CO., LTD.***

\*headquarters address:

*No. 50, Yongkehuan Rd., Yongkang Dist. Tainan City 710, Taiwan*

\*place of manufacture:

*No. 50, Yongkehuan Rd., Yongkang Dist. Tainan City 710, Taiwan*

\*domain of use:

*This product it can combine with robot to grip workpiece parts for any kinds of assembly purpose.*

**Technical File content:**

- *General description of the product;*
- *General drawing;*
- *Full detailed drawings required to check the conformity;*
- *The documentation on risk assessment;*
- *The list of standards used;*
- *Technical report giving the results of the test;*
- *Instruction manual;*
- *Declaration of conformity;*
- *The internal measures implemented to ensure product conformity with MD.*

CEPROM-CERT Manager  
eng. Vasile ZELE



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ANNEX  
to the Certificate of Conformity nr. 1419-CI-32018

**PRODUCT IDENTIFICATION**

**The Product:** ***ELECTRIC GRIPPER***

\*constructive and functional characteristics:

<b>Model</b>		<b>M.U.</b>	<b>CHG2</b>
<b>Gripping force</b>	Maximum continuous rating	N	15
	Default value	-	5 phase (30%-100%)
Length of switch travel		mm	30
<b>Speed</b>	Maximum speed	mm/s	150
	Default value	-	2 phase (100% , 50%)
Repetitive precision		mm	±0.05
Slider structure		-	Linear
<b>Slider</b>	Tolerated load(F)	N	500
	Tolerated vertical moment of force(Mp)	Nm	7.4
	Tolerated horizontal moment of force(My)	Nm	7.4
	Tolerated rolling direction moment of force (Mr)	Nm	11.8
<b>Gripper</b>	Maximum weight (1 pair)	g	50
	Longest gripping position(L)	mm	60
	Overhang (H)	mm	60
Maximum gripping eight		kg	0.15
<b>Controller</b>	Speed setting	-	2 phases (Rotational Switch)
	Gripping force setting	-	5 phases (Rotational Switch)
	Input	-	2 points OPEN/CLOSE ON: Switch OFF: Switch SET ON: When alarm is sound during setting of work position, input SET to disable the alarm
	Output	-	4 points OPEN, CLOSE, HOLD, ALM
	LED	-	Display power, READY (Flash during alarm)
	Power	-	DC24V±10%
<b>General</b>	Environmental temperature	-	0-+40□
	Environmental moisture	-	35-85% (During the period without dew)
	Storage temperature	-	-10-+65% ( During the period without dew)
	Vibration durability	-	Acceleration 30m/s <sup>2</sup> Frequency range 10-55Hz, Frequency scan cycle 1min (single direction) 2H for each of the XYZ axis
	Shock resistance	-	Maximum acceleration speed: 300m/s <sup>2</sup> action Time: 3 times for each XYZ at 11ms
Weight		kg	0.45

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