

# ***Richmat***

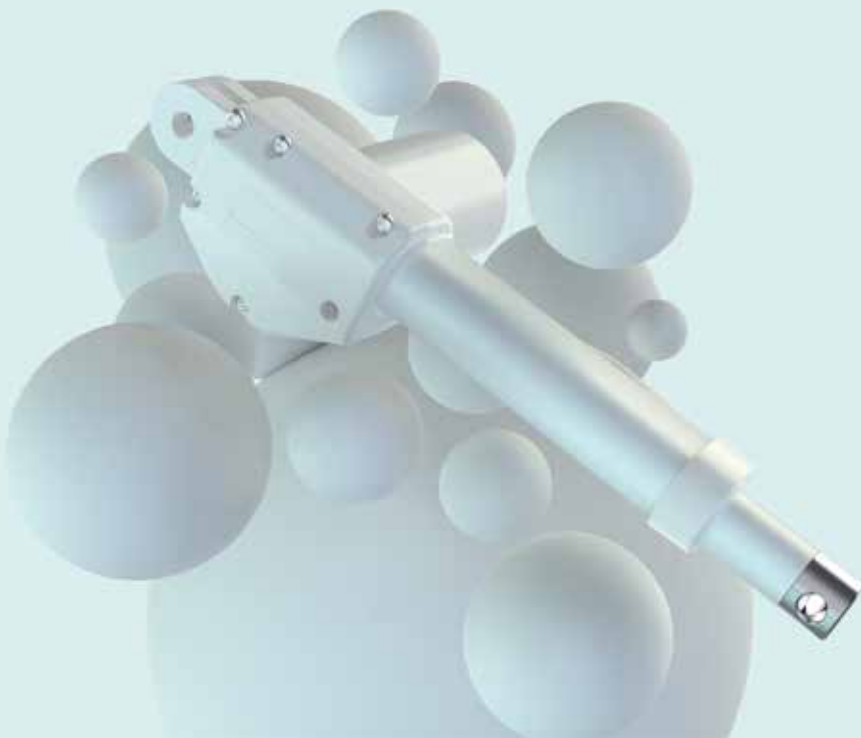
Every 6 seconds

There's a RICHMAT actuator installed

2022

# RICHMAT

Medical & Homecare

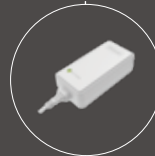


Driving motion  
solution

Focus on Medical  
& Homecare

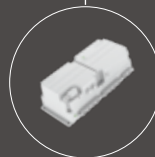
RICHMAT

## 19 years experience in manufacture



### Globalization

Established Hebei, Guangzhou, Korea and U.S. branches, become a multinational corporation.



2016

### Growing up

Recognized by European and U.S. market.



2015

### Growing up

Recognized by European and U.S. market.



2013

### Medical Care

Gain reputation in medical care area.



2008

### Certificate

Certificated by IOS9001.



2003

### Establishment

Company founded and started with dualactuator.

# Richmat<sup>®</sup> You need it, Richmat brings it to you.

Richmat can help you build up your own smart, convenient and comfortable product series.

We devote ourselves to providing satisfied after sales service, for every single client.

## Qingdao Richmat Intelligence Technology Inc.



Richmat is a professional actuators and controllers producing joint-stock company integrated the development, production and marketing. Headquartering in Qingdao, China.



Richmat is dedicated to smart home, medical care, smart office and industrial transmission area and had been awarded dozens of patents. Richmat products are sold all over the world with the highest quality and reputation.



Richmat has devoted to the design, development and manufacture of actuators, the main products include: single and dual actuator, hand controls, controllers and corresponding accessories to meet your needs.



ISO9001



IEC60601-1



## TRUST RICHMAT

# Future-oriented panoramic healthcare solution



## Medical All Cover

After years of development, RICHMAT has been equipped with all-round controlling technology. Our products have been widely used in various nursing homes, hospital and rehabilitation centers.

## Intelligent fault-detection system

RICHMAT's exclusive technology, once there is a fault or misoperation in using or installing process, the system will make voice to remind you to correct.

## MCS BUS System

RICHMAT's exclusive communication protocol, specifically designed for medical solutions, will provide much better, more stable and more timely signal transmission between the controller and related accessories

## RICHMAT Medical field technology features

Powerful R&D with numbers of patents



All systems applicable



R-Control



Noise control



Bluetooth



Low current high efficiency mode



R-port matching



RM APP series



Intelligent anti snore system



Level 6 power consumption



IOT+



Long-term life



Customization service





the design  
of linear actuator

### Design concept

“ Precision-Stand the test,  
elaboration-excellent quatity ”

RICHMAT medical-class motor, with the feature of high torque output and low noise level, specially designed for medical environment use. The unique low current technology can further reduce the heat, longer the life span and the water-proof design and corrosion resistance process make the motor fit for all the harsh environments.

## Application

Wide range of applications rich configuration



Medical bed



Nursing bed



Patient lift



Dental chair



Electric wheelchair



Beauty bed



## Powerful RM APP series

RM Control RM Voice RM Sleep

RM APP series, not only can realize traditional functions, but also add touch feedback, intelligent wake-up and voice reminder

RM Control  
APP controller

RM Voice  
Voice controller

RM Sleep  
Sleep monitor

## Smart sleeping monitor belt

Easy installation / Powerful function / Imperception monitoring

Install under the mattress, operated by RM Sleep APP. It can record sleep condition, provide sleep report and suggestion to improve sleep.



### Eight monitor functions



Heart rate



Breathing  
rate



Body  
movements



Sleep time



Wake-up  
times



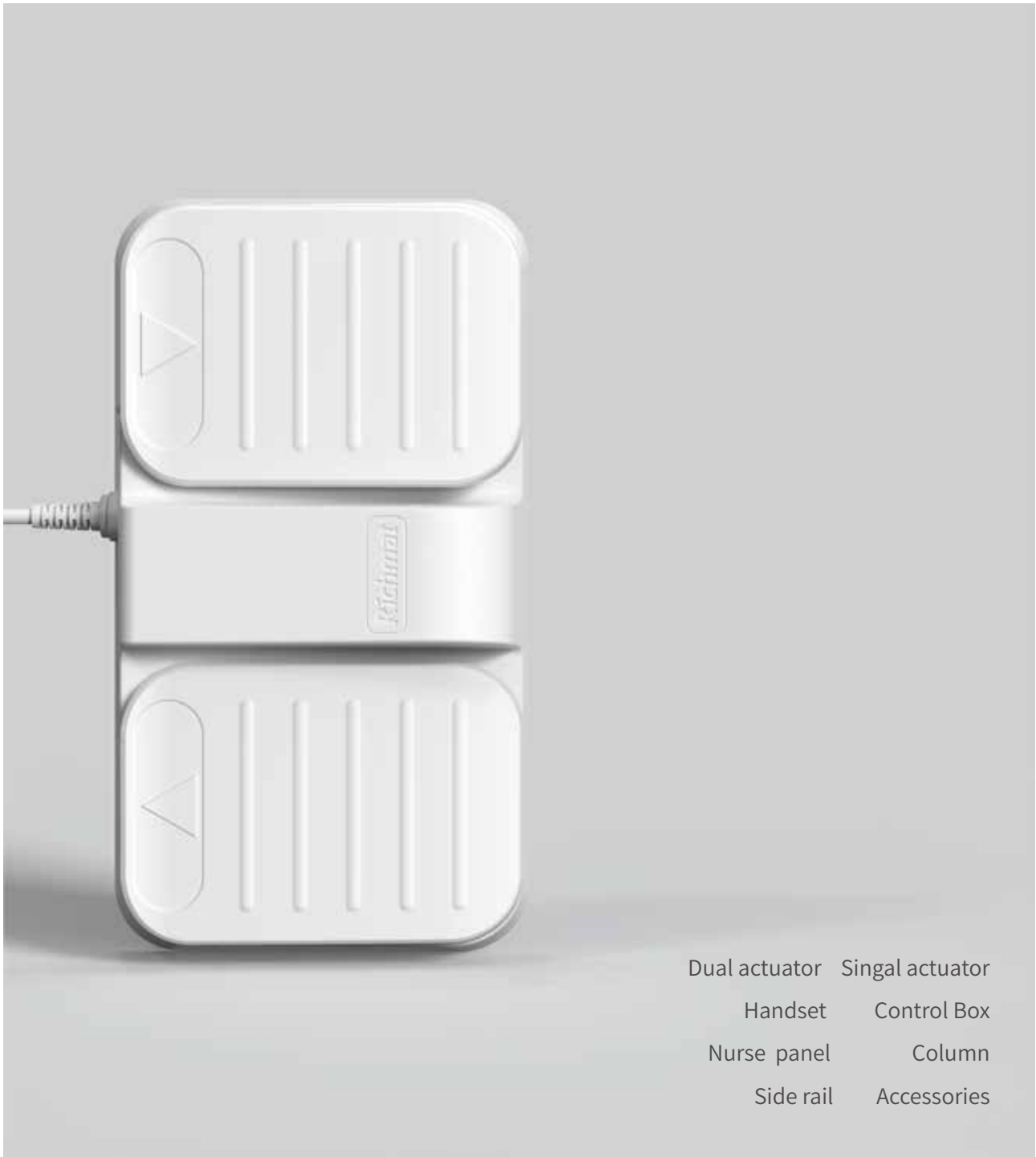
Off-bed  
monitor



Sleep score



Sleep report



## Richmat feels you

We have well selected representative products showed below. Please contact our sales to learn more.

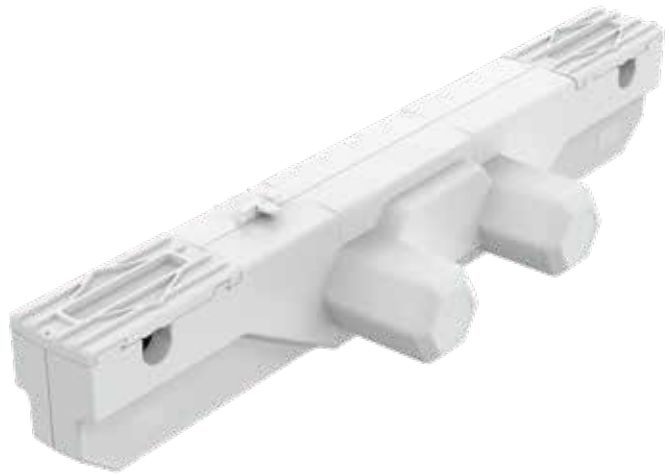


# A1S

## SERIES

### Parameter

Max. push force	2 x 6500N
No-load speed	4.3 mm / s
Installation length	581 ± 1 mm
IP class	Max. IP20
Noise level	≤50 dB
Options	Connect massager / LED Single actuator / USB socket



### Dimension (mm)



### Speed & Force Comparison Table (2600rpm)

Load	Current (A)		Speed (mm / s)		
	Head	Foot	Head	Foot	Foot
No load	0.37	0.71	4.65		4.51
4500N	2.43	2.87	3.95		3.77
6500N	3.24	3.56	3.76		3.42

The data based onworking with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

## Dual Motor Series



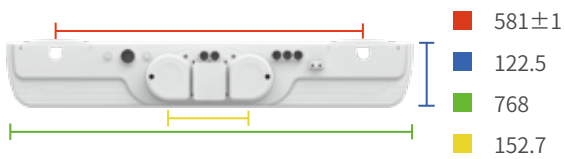
# A2 SERIES

## Parameter

Max. push force	2 x 6500N
No-load speed	4.3 mm / s
Installation length	581 ± 1 mm
IP class	Max. IP54
Noise level	≤50 dB
Options	Connect massager / LED Single actuator / USB socket



## Dimension (mm)



## Speed & Force Comparison Table (2600rpm)

Load	Current (A)		Speed (mm / s)		
	Head	Foot	Head	Foot	Foot
No load	0.59	0.66	4.09		4.16
4500N	2.19	2.45	3.54		3.62
6500N	2.69	2.83	3.47		3.5

The data based onworking with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A3

## SERIES

Parameter	
Max. push force	2 x 6500N
No-load speed	4.3 mm / s
Installation length	581 ± 1 mm
IP class	Max. IP20
Noise level	≤50 dB
Options	Connect massager / LED Single actuator / USB socket



### Dimension (mm)



Speed & Force Comparison Table (2600rpm)

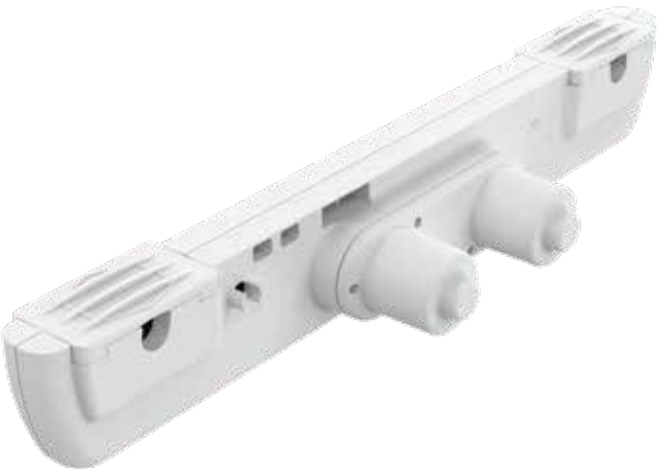
Load	Current (A)		Speed (mm / s)		
	Head	Foot	Head	Foot	
No load	0.59	0.66	4.09	4.16	
4500N	2.19	2.45	3.54	3.62	
6500N	2.69	2.83	3.47	3.5	

The data based onworking with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

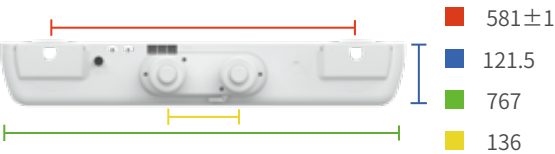
# A4S

## SERIES

Parameter	
Max. push force	2 x 6500N
No-load speed	4.3 mm / s
Installation length	581 ± 1 mm
IP class	Max. IP20
Noise level	≤50 dB
Option	Connect single actuator



### Dimension (mm)



Speed & Force Comparison Table (2600rpm)

Load	Current (A)		Speed (mm / s)	
	Head	Foot	Head	Foot
No load	0.68	1.02	4.7	4.73
4500N	2.58	3.27	3.7	3.57
6500N	3.8	4.18	3.44	3.22

The data based onworking with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A58

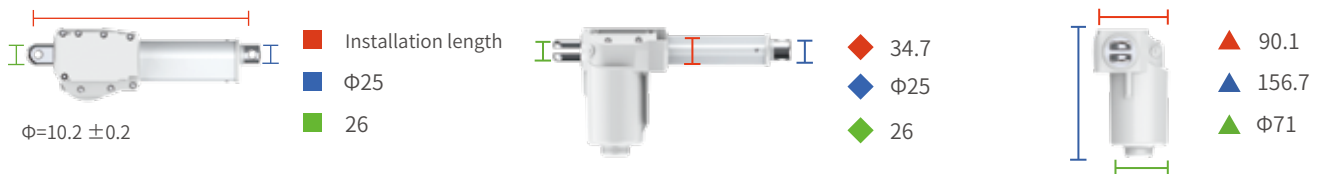
## SERIES

### Parameter

Max. push force	Push power 8000N, Pull power 4000N
No-load speed	4 - 46 mm / s
Installation length	Stroke + 175mm
IP class	Max. IP66
Noise level	≤50 dB
Options	Mechanical hand protection function (push power only)
	Hall sensor
	Manual hand crank



### Dimension (mm)



### Speed & Force Comparison Table (2600rpm)

Load (N)			Current (A)		Speed (mm/ s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
8000	4000	6000	0.4	4.2	4.3	3.6	3	1
6000	4000	6000	0.3	3.9	5.8	4	4	1
4000	2000	2400	0.4	1.9	8.2	7.3	6	1
2000	1000	800	0.4	1.5	15.7	14.3	6	2
1000	1000	400	0.4	1.2	30.2	27.3	12	2

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A58QR

## SERIES

### Parameter

Max. push force	Push power 3500N, Pull power 2000N
No-load speed	5 - 12 mm / s
Installation length	Stroke + 185mm
IP class	Max. IP54
Noise level	≤50 dB
Special function	Quick release



### Dimension (mm)



### Speed & Force Comparison Table (2600rpm)

Load (N)			Current (A)		Speed (mm/s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
3500	2000	1000	1.5	2.6	14	8.8	6	1
2000	2000	1000	0.9	2.6	15	10	6	1

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A31

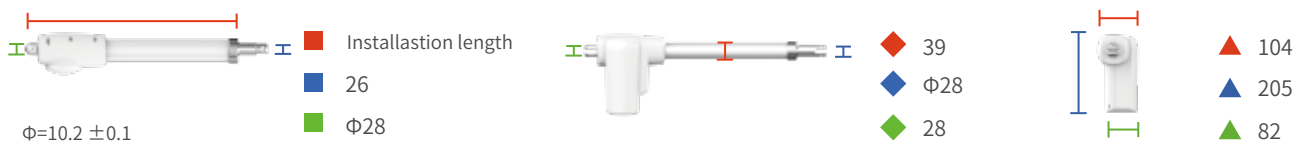
## SERIES

### Parameter

Max. push force	Push power 10000N, Pull power 4000N
No-load speed	3 - 40 mm / s
Installation length	Stroke + 220 mm
IP class	Max. IP54
Noise level	≤50 dB
Options	Mechanical hand protection function Hall sensor



### Dimension (mm)



### Speed & Force Comparison Table (3200rpm)

Load (N)			Current (A)		Speed (mm/ s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
10000	4000	10000	1.0	8.0	6.8	4.5	4	1
6000	3000	6000	1.2	5.0	11.0	9.0	4	2
2000	2000	2000	0.8	4.5	22.0	18.0	8	2
1000	1000	1000	0.9	6.1	35.0	27.0	12	2

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A68H

## SERIES

### Parameter

Max. push force	Push power 6000N, Pull power 4000N
No-load speed	4 - 46 mm / s
Installation length	Stroke + 185mm
IP class	Max. IP54
Noise level	≤50 dB
Special function	Manual hand crank when power cut



### Dimension (mm)



### Speed & Force Comparison Table (3200rpm)

Load (N)			Current (A)		Speed (mm/ s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
6000	4000	6000	0.4	3.5	4.3	3.6	3	1
4000	3000	6000	0.3	3.9	5.8	4	4	1
2000	1000	800	0.4	1.5	15.7	14.3	6	2
1000	1000	400	0.4	1.2	30.2	27.3	12	2

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A5S

## SERIES

### Parameter

Max. push force	Push power 6000N, Pull power 4000N
No-load speed	4 - 46 mm / s
Installation length	Stroke + 175mm
IP class	Max. IP54
Noise level	≤50 dB
Option	Connect one more single actuator



### Dimension (mm)



### Speed & Force Comparison Table (2600rpm)

Load (N)			Current (A)		Speed (mm/s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
6000	4000	6000	0.3	3.9	5.8	4	4	1
4000	2000	2400	0.4	1.9	8.2	7.3	6	1
2000	1000	800	0.4	1.5	15.7	14.3	6	2
1000	1000	400	0.4	1	23	21.1	9	2

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations



# A12G

## SERIES

### Parameter

Max. push force	Push power 6000N, Pull power 4000N
No-load speed	4 - 24 mm / s
Installation length	Stroke + 175mm
IP class	Max. IP54
Noise level	≤50 dB
Options	Reed switch Hall sensor



### Dimension (mm)



Speed & Force Comparison Table (2600rpm)

Load (N)			Current (A)		Speed (mm/ s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
6000	4000	6000	0.3	4.0	4.2	2.7	3	1
4000	2000	4000	0.3	4.0	5.6	4.0	4	1
3000	2000	3000	0.3	4.0	7.0	5.0	5	1

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

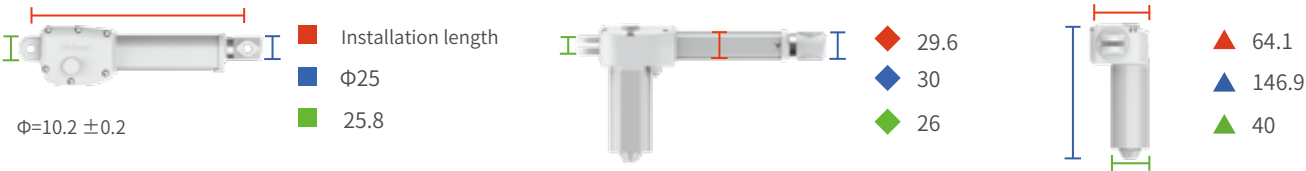
# A36

## SERIES

Parameter	
Max. push force	Push power 3000N, Pull power 1500N
No-load speed	6 - 46 mm / s
Installation length	Stroke + 135mm
IP class	Max. IP54
Noise level	≤50 dB
Option	Hall sensor



### Dimension (mm)



Speed & Force Comparison Table (3800rpm)

Load (N)			Current (N)		Speed (mm/ s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
3000	1500	2800	0.8	4.7	16	11	3	2
1600	1000	1600	0.8	3.6	19.4	12	4	2

The data based onworking with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A37

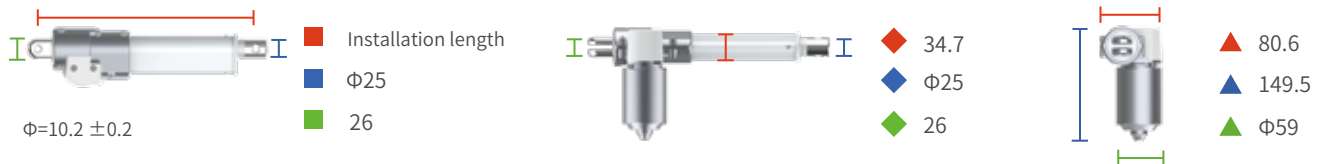
## SERIES

### Parameter

Max. push force	Push power 8000N, Pull power 4000N
No-load speed	4 - 46 mm / s
Installation length	Stroke + 175mm
IP class	Max. IP54
Noise level	≤50 dB
Options	Mechanical hand protection function; Hall sensor



### Dimension (mm)



### Speed & Force Comparison Table (2600rpm)

Load (N)			Current (A)		Speed (mm/s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
8000	4000	6000	0.4	4.2	4.3	3.6	3	1
6000	4000	6000	0.3	3.9	5.8	4	4	1
4000	2000	2400	0.4	1.9	8.2	7.3	6	1
2000	1000	800	0.4	1.5	15.7	14.3	6	2
1000	1000	400	0.4	1.2	30.2	27.3	12	2

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A51

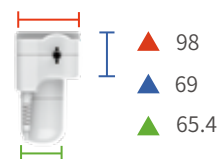
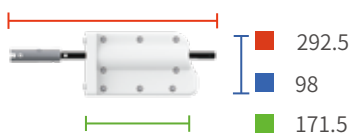
## SERIES

### Parameter

Max. torque	10 Nm
No- load speed	85 rpm



### Dimension (mm)



# A51S

## SERIES

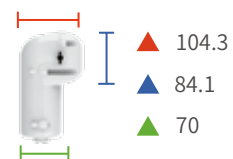
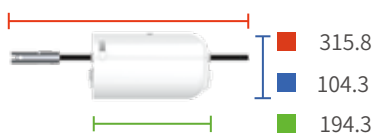
### Parameter

Max. torque	14 Nm
No- load speed	115 rpm



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### Dimension (mm)



# A53

## SERIES

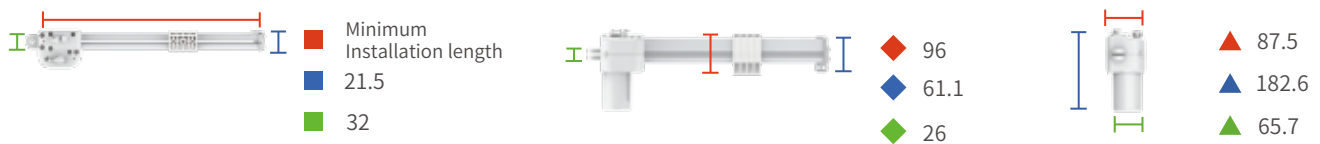
### Parameter

Max. push force    Push power 4000N, Pull power 4000N

No-load speed    4 - 46 mm / s



### Dimension (mm)



### Speed & Force Comparison Table (2600rpm)

Load (N)			Current (A)		Speed (mm/s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
4000	2000	3200	0.5	3.0	5.7	5.4	3	1
3000	1500	2400	0.4	2.0	7.6	7.0	4	1
3500	2000	3200	0.6	3.7	11.9	9.7	3	2
3000	1500	2000	0.6	3.1	15.7	13.4	4	2
2000	1000	800	0.7	2.1	22.9	21.5	6	2
1000	1000	400	0.7	1.7	32.8	32	9	2
500	300	300	1.0	2.2	42.7	41	12	2

The data based onworking with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A61

## SERIES

### Parameter

Max. push force    Push power 6000N, Pull power 3000N

No-load speed    4 - 46 mm / s



### Dimension (mm)



Speed & Force Comparison Table (2600rpm)

Load (N)			Current (A)		Speed (mm/s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
6000	3000	6000	0.4	3.7	4.3	3.2	3	1
4000	2000	4000	0.4	2.7	5.4	4.6	4	1
3000	1500	2100	0.4	2.8	10.3	8.6	4	2
1500	750	1200	0.4	2.2	15	13	6	2
1000	500	600	0.4	1.8	21.4	19.2	9	2
500	300	300	0.4	2	27.2	23.9	12	2

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A63

## SERIES

### Parameter

Max. push force	Push power 6000N, Pull power 4000N
No-load speed	4 - 30 mm / s
Installation length	Stroke + 180mm
IP class	Max. IP54
Noise level	≤50 dB
Options	Mechanical hand protection function; Hall sensor Reed switch



### Dimension (mm)



### Speed & Force Comparison Table (2600rpm)

Load (N)			Current (A)		Speed (mm/ s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
6000	4000	6000	0.4	2.5	5.5	4.8	3	1
4000	3000	6000	0.4	4.3	7.7	5.9	4	1
3000	2000	3000	0.4	3.1	10.5	9.4	6	1
1000	500	400	0.4	0.9	15.7	14.6	9	1
500	300	400	0.4	1.2	21.5	19	12	1

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations



# A67B

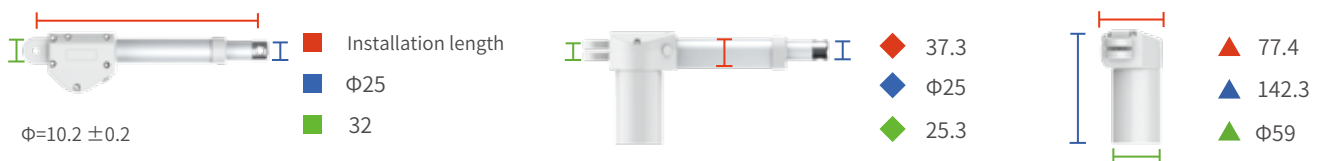
## SERIES

### Parameter

Max. push force	Push power 6000N, Pull power 3000N
No-load speed	4 - 46 mm / s
Installation length	Stroke + 155mm
IP class	Max. IP54
Noise level	≤50 dB
Options	Mechanical hand protection function Hall sensor



### Dimension (mm)



### Speed & Force Comparison Table (2600rpm)

Load (N)			Current (A)		Speed (mm/s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
6000	3000	6000	0.5	2.5	4.2	2.9	3	1
3000	1500	3000	0.5	1.8	5.6	4.5	4	1
2000	1000	1600	0.5	1.4	9	7.6	6	1
1500	1500	1200	0.5	1.7	13.3	11.5	9	1
500	500	400	0.5	1.1	16.5	15	12	1

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A71

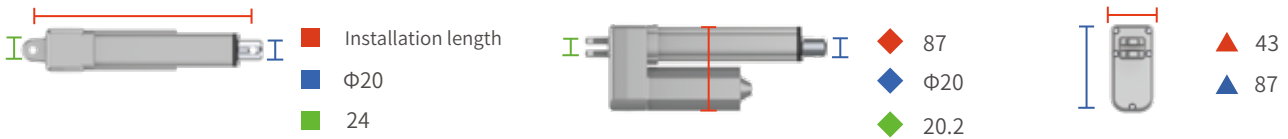
## SERIES

### Parameter

Max. push force	Push power 2500N
No-load speed	3 - 20 mm / s
Installation length	Stroke + 120 mm
IP class	Max. IP66
Noise level	≤50 dB
Option	Hall sensor



### Dimension (mm)



### Speed & Force Comparison Table (3800rpm)

Load (N)			Current (A)		Speed (mm/s)		Lead	Worm thread
Push power	Pull power	Self-lock	No load	Load	No load	Load		
2500	2500	2500	0.5	2.0	5.0	3.8	2	2
2500	2000	2000	0.7	2.3	6.4	4.9	3	2
1000	1000	1000	1.0	2.6	12.2	9.0	6	2

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations

# A72

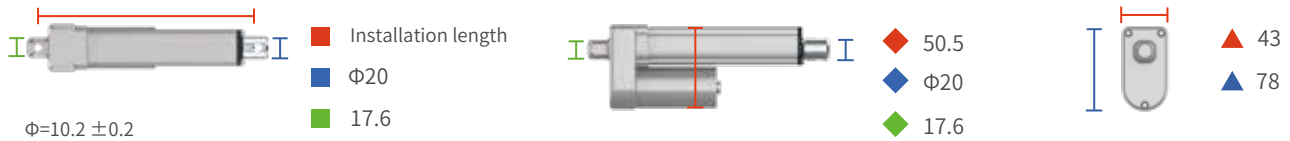
## SERIES

### Parameter

Max. push force	Push power 1400N, Pull power 1400N
No-load speed	5 - 90 mm / s
Installation length	Stroke + 110mm
IP class	Max. IP66
Noise level	≤50 dB



### Dimension (mm)



### Speed & Force Comparison Table (6000rpm)

Load (N)			Current (A)		Speed (mm/ s)		Reduction ratio	Lead
Push power	Pull power	Self-lock	No load	Load	No load	Load		
1400	1400	1400	0.3	1.4	5.0	4.0	1: 40	2
1200	1200	1200	0.4	1.6	7.5	6.0	1: 40	3
1000	1000	1000	0.6	2.0	9.0	7.0	1: 20	2
700	700	700	0.5	2.1	14	10	1: 20	3
500	500	500	0.9	2.5	18	12	1: 10	2
300	300	300	0.9	2.0	27	20	1: 10	3
200	200	200	1.1	2.4	32	24	1: 5	2
100	100	100	1.1	1.5	90	70	1: 5	6

The data based on working with RICHMAT control box and stabilized voltage supply. There will be difference if working with other configurations



## L1

Max. push force	Push power 4000N
No-load speed	5 - 30 mm / s
Installation length	Stroke+200 mm
Dynamic torque	250Nm Max.
Static torque	500Nm Max.
Noise level	≤50 dB
Option	Hall sensor

## L2

Max. push force	Push power 2500N
No-load speed	6 - 20 mm / s
Installation length	Stroke+200 mm
Noise level	≤50 dB
Option	Hall sensor

## L3

Max. push force	Push power 2000N
No-load speed	12 mm / s
Installation length	≥stroke / 2 + 150 mm
Noise level	≤50 dB
Option	Hall sensor

## L4

Max. push force	Push power 2000N
No-load speed	18 mm / s
stroke	200 - 400 mm
Installation length	≥Stroke / 2 + 150 mm
Dynamic torque	250Nm Max.
Static torque	500Nm Max.
Noise level	≤50 dB
Option	Hall sensor



## H38

Max. 21 Buttons  
High quality elastic hook, fit for  $\phi 32$ ,  $\phi 42$  tubes  
Button Lock individually, avoid misoperation  
LED indicator

## H52

Max. 35 Buttons  
3.5 inch 64K LCD  
High quality elastic hook, fit for  $\phi 32$ ,  $\phi 42$  tubes  
Button Lock individually, avoid misoperation  
Option:  
Nurse safety key

## H78

Max. 25 Buttons  
3.5 inch 64K LCD  
High quality elastic hook, fit for  $\phi 32$ ,  $\phi 42$  tubes  
Button Lock individually, avoid misoperation  
Option:  
Nurse safety key

## H98

Max. 20 Buttons  
installed on the footboard  
Button Lock individually, avoid misoperation



## H5

Buttons 2 - 6  
Compatible with all Richmat actuators  
LED indicator.  
Support high current

## H12

Wireless control  
Buttons 2 - 6  
High quality membrane  
1 \* 12 V battery  
Work distance 5 meters

## H15

Buttons 6  
Compatible with all Richmat actuators  
Support high current

## H18

Buttons 2 - 8  
Compatible with all Richmat actuators  
LED indicator  
Back light function  
Support high current

## H19

Buttons 2 - 11  
LED indicator  
Back light function  
Electro-magnetic lock

## H35

Buttons 2 - 9  
LED indicator  
Back light function



## H36

Buttons 2 - 14  
LED indicator  
Options:  
Back light function  
Electro-magnetic lock  
Voice broadcast

## H56

Buttons 6  
Compatible with all Richmat actuators  
Support high current

## H79

Buttons 2 - 6  
LED indicator  
Back light function  
Support high current

## H87

Buttons 2 - 8  
LED indicator  
Option:  
Back light

## H97

Buttons 2 - 12  
LED indicator  
Options:  
Voice boardcast  
Back light functions  
Membrane button version

## H99

Buttons 2 - 8  
LED indicator  
Back light functions  
Support high current



## H108

Buttons 2 - 12  
LCD screen & LED indicator  
Display bed status  
Options:  
Back light function  
Mechanical lock  
Voice broadcast

## H112

Buttons 2 - 11  
Options:  
Back light function  
Back Mechanical lock

## H156

Buttons 2  
Compatible with all Richmat actuators  
Support high current

## FC1

1 - 4 Units  
Compatible with all Richmat control boxes  
Support high current

## FC2

1 Unit  
Compatible with all Richmat control boxes  
Support high current  
Option:  
Bluetooth version

## FC6

2 Units  
Compatible with all Richmat control boxes  
Support high current  
Option:  
Bluetooth version





## MCP1

### Head Board & Footboard

Foot board with electronic control

PP material

IPX4 water proof

Options:

3.5 inch color LCD screen

Weighing system

Customized function design

Dimension: 1000\*570mm

Fix hook dimension: 760mm

## MCP1

### Siderail

Back side rail with electronic control

PP material

IPX4 class water proof

Options:

Customized function design

Back dimension: 670\*340mm

Foot dimension: 975\*340mm



## MCP2

### Head Board & sFootboard

Foot board with electronic control

PP material

IPX4 water proof

Options:

3.5 inch color LCD screen

Weighing system

Customized function design

Head board Dimension: 920\*570mm

Footboard dimension: 920\*500mm

Fix hook dimension: 580mm

## MCP2

### Siderail

Back side rail with electronic control

PP material

IPX4 class water proof

Options:

Customized function design

Dimension: 716\*345mm



## C5

Assemble to HJA58 or assemble separately  
Connect 1-4 single actuators and one handset or foot pedal  
Internal switch mode power supply  
Internal over-load protection

## C15

IP66 class  
Connect 1-8 single actuators and 1-2 controller  
Options:  
Battery box  
External over-load protection

## C16

Connect 1-4 actuator  
Assemble to HJA58 or assemble separately  
Internal over-load protection  
Options:  
Battery box  
Automatic charge when power on

## C17

Connect 1-2 single actuators  
Built-in 2 \* 12V 2.9Ah lead-acid battery  
Internal switch mode power supply  
Internal over-load protection  
With emergency stop switch  
With battery capacity display

## C20

Connect 1-5 single actuators and 1-2 controller  
Built-in 2 \* 12V, 1.3Ah Lead-acid battery  
Automatic charge when power on  
External over-load protection  
Customized function design

## C38

Patient lift use  
Battery box removable  
Connect 1-2 single actuators and one handset  
Internal over-load protection  
With emergency stop switch  
Battery version:  
2 \* 12V, 2.9 Ah  
2 \* 12V, 5 Ah

## Control Box series



## C41

One motor control box

Assemble to A58 single actuator or assemble separately.

Internal switch mode power supply.

Input voltage: 100-240V AC, 60 / 50Hz

Output voltage and current:

29V DC & 3A Max.

## C42

Two motors control box

Assemble to HJA58 or assemble separately

Internal Switch mode power supply.

Input voltage: 100-240V AC, 60/50Hz

Output voltage and current:

29V DC & 4A Max

## C43

Three motors control box

Assemble to HJA58 or assemble separately

Internal Switch mode power supply.

Input voltage: 100-240V AC, 60 / 50Hz

Output voltage and current:

29V DC & 5A Max

## C44

Four motors control box

Assemble to HJA58 or assemble separately

Internal over-load protection

Input voltage: 100-240V AC, 60/50Hz

Output voltage and current:

29V DC & 5A Max.

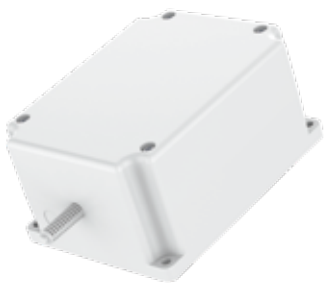
## C45

Junction box

Connect with handset, nurse control box or others products

## C46

Alarming indicator box



## B1

Lead-acid Battery box  
Rated capacity: 1.3 Ah  
Rate output voltage: 25.9V DC

## B5

Lithium battery box  
Rated capacity: 3 Ah  
Rate output voltage: 25.9V DC  
Internal over charge and over discharge protection.

## B7

Lead-acid Battery box  
IP66 class water proof  
Rated capacity: 1.3 Ah  
Input voltage: 32 V DC  
Rate output voltage: 25.9V DC  
Internal overcharge and Overdischarge protection  
Switch to control charge process

## T53

Off line voice control box  
Support Chinese / English  
Support wireless charging

## C47

Wireless receiver  
RF/bluetooth mode  
Compatible with all Richmat wireless handsets



## T18

External safety switch  
Connect with motor or control box  
Switch can reset automatically

## T19

Connect with max. 2 membrane switch

## T25

Junction box  
High compatibility with LED light

## T26H

Sensor box  
Detection distance: 3 meters  
Detection angle : 120°  
Working voltage DC 5~12V / DC 3.3V

## T27

Sensor under bed light  
0.5W low power consumption  
IP54 class  
Easy to assemble  
Max.3 sets work at the same time

## T28

Under bed light  
0.5W low power consumption  
Easy to assemble



## T38

Emergency stop switch  
Rotate to restart

## T51

Power junction box with switch  
Can connect handset

## PS5

29V 1.8 A adapter  
AC cable changeable

## T61

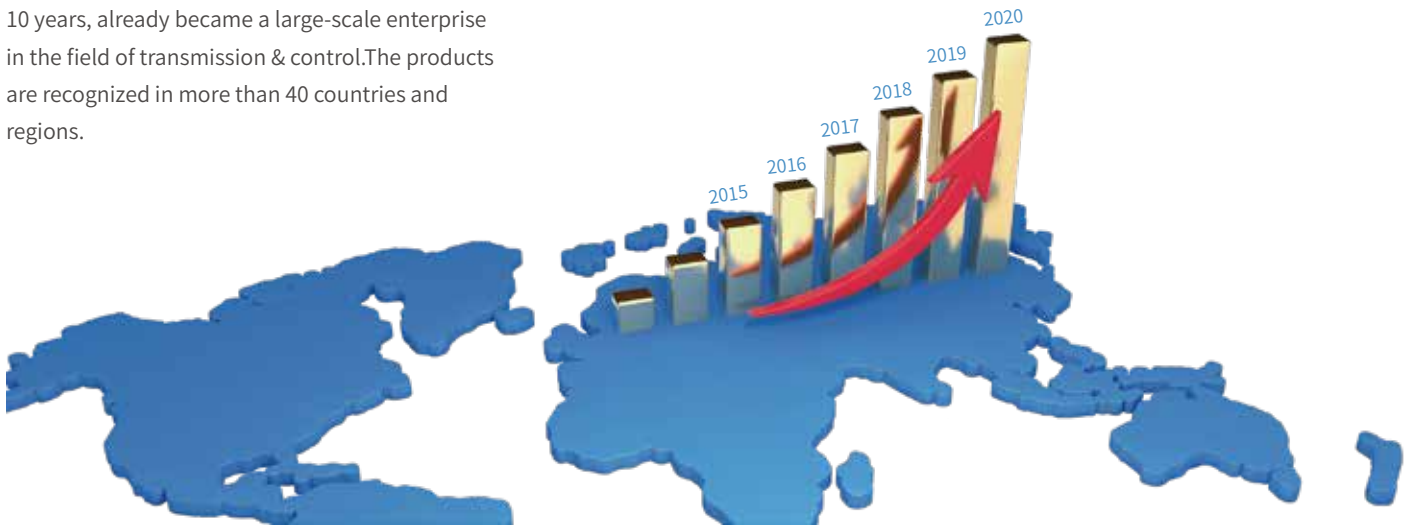
Handset hanging pedestal  
Tube is adjustable  
Compatible with most Richmat handsets

## TS1

Safety switch  
Touch to cut off power  
Can work as a handset  
Support customization

## RICHMAT's global influence

RICHMAT has been making profits for more than 10 years, already became a large-scale enterprise in the field of transmission & control. The products are recognized in more than 40 countries and regions.



## Every 6 seconds

There's a RICHMAT actuator installed

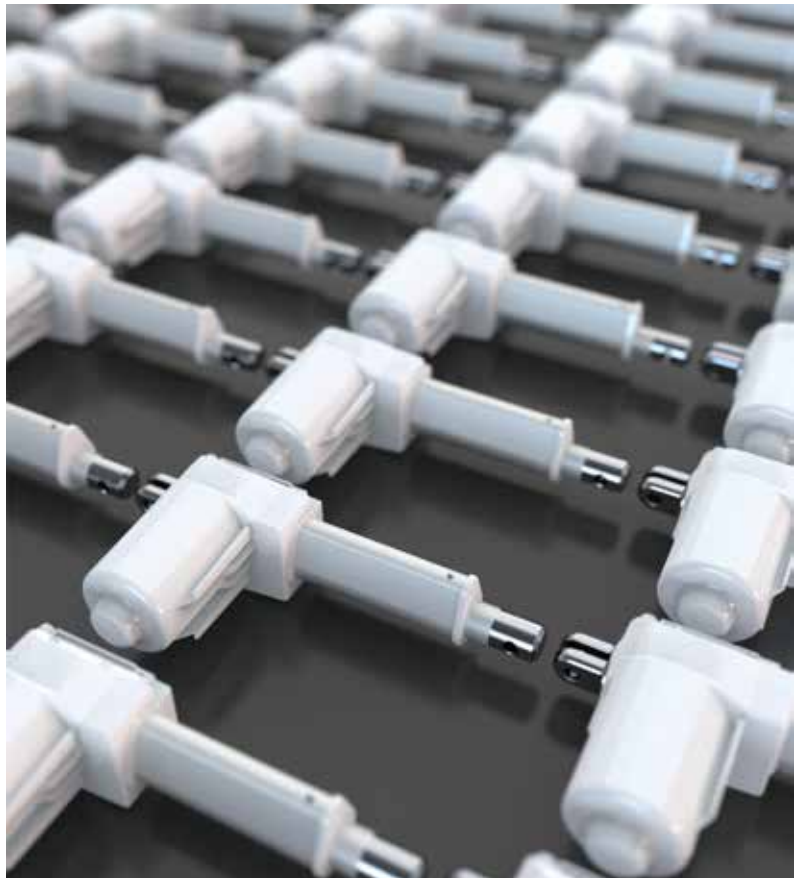
RICHMAT's industrial manufacturing capacity enable it to produce and sell 5 million motors a year.

**5, 000, 000**  
production capacity  
per year

**10, 000**  
production capacity per  
day

**7 - 15 day**  
Short Lead Time

**3 years**  
3 years' warranty





# Integration of industry chain



RICHMAT has sophisticated industrial chain. By 2020, RICHMAT had achieved complete self-sufficiency in moulding, injection, electrics development and assembling. Until now, there are 4 production bases, covering a total area of 100, 000 m<sup>2</sup> and nearly 1, 200 employees.

Mould  
development

Injection  
factory

Electronic  
branch

Assembling  
production

## Certificates System

Quality system / intellectual property / trademark patent / certificate





## Richmat High-Tech Industrial Park

Richmat basement locates in Jimo semiconductor high-tech Industrial Park. Billions investment and carries main production task of Richmat.

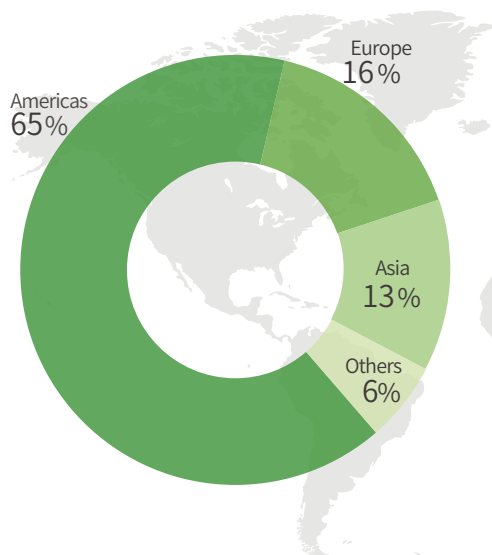
## RICHMAT Electronic technology R&D center

RICHMAT electronic technology R&D center is mainly for electronic component development, involved a series of products like electronic control, inductor, transducer and PCB. This is the top level electronic technology R&D center in Shandong Province.



# RICHMAT

## International sales network



Europe	Asia	Americas	Others
Germany	China	USA	Australia
France	Japan	Canada	South Africa
UK	Korea	Brazil	New Zealand
Spain	Thailand	Mexico	
Italy	Vietnam	Columbia	
Portugal	Singapore		
Netherlands	Malaysia		
Belgium	Pakistan		
Slovak Republic	Israel		
Czech Republic	UAE		
Finland	India		
Sweden			
Turkey			
Russia			
Republic of Lithuania			



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