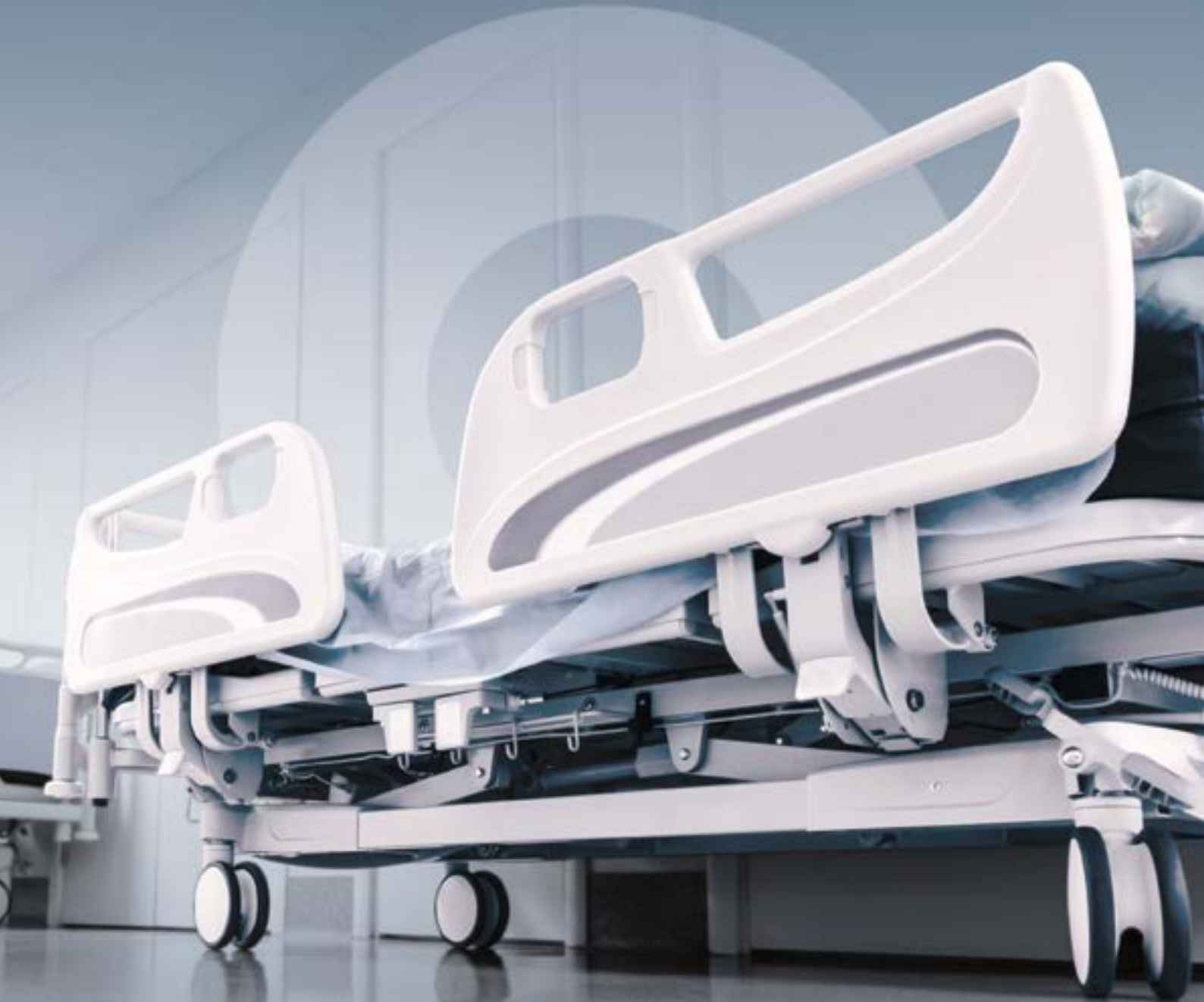


ACTUATION SYSTEMS FOR HEALTHCARE BED APPLICATIONS

www.timotion.com

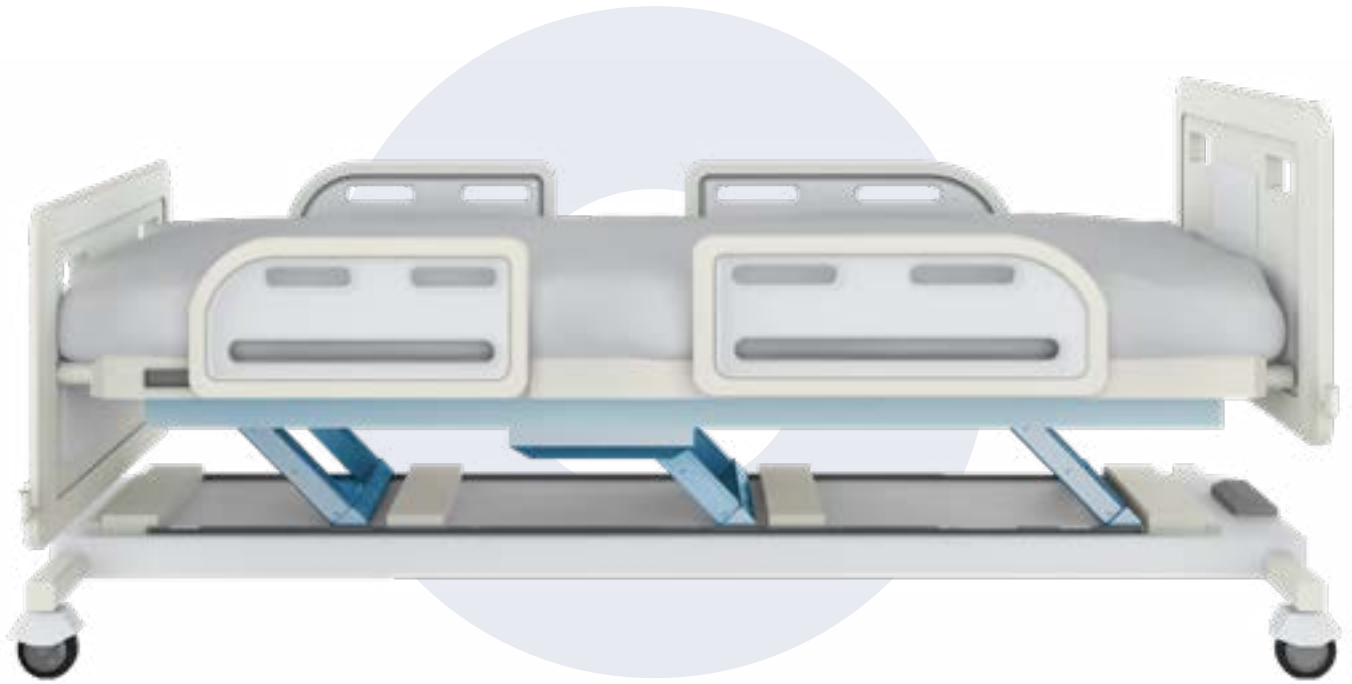
TiMOTION offers a complete solution that is reliable, quiet, and easy to integrate into healthcare beds.



With the rising demand for stable and safe automatic movement solutions in medical facilities, healthcare equipment manufacturers need to provide high-quality medical products for both patients and caregivers.

These dependable movement solutions **ensure patient safety and comfort** and provide **reliable and suitable equipment for caregivers**. Of the various medical facilities, the healthcare beds in hospitals or nursing homes are among the most demanding areas for manufacturers to design performance products.

TiMOTION's line of custom linear actuators, columns, and accessories for healthcare beds is perfectly designed to account for **various medical bed applications**. We are committed to providing a **high-quality, quiet, and complete medical electric solution system** to fulfill the needs of patients and medical staff.



Linear Actuators



TA31QR



TA31



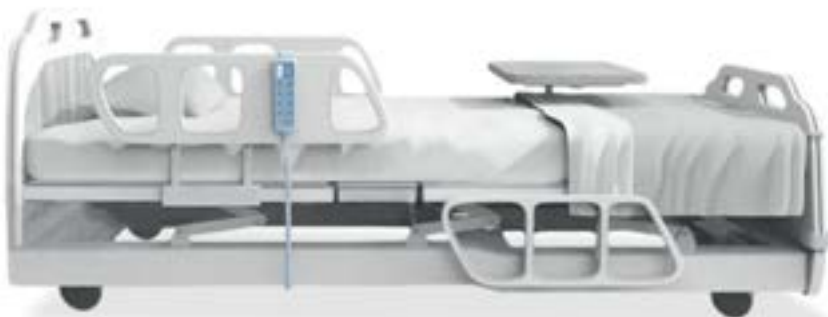
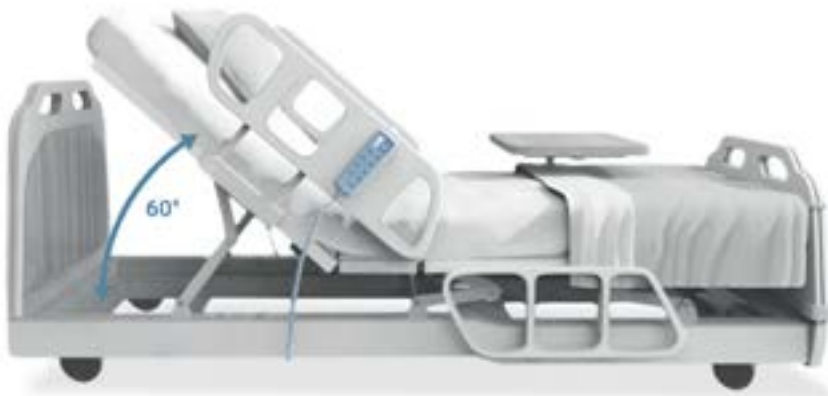
TA23

Features	TA31QR	TA31	TA23
Max. load	5,000N (push) / 3,000N (pull)	8,000N (push) / 3,000N (pull)	10,000N (push) / 4,000N (pull)
Max. speed at max. load	4.7mm/s	3.5mm/s	3.2mm/s
Retracted length	≥Stroke+178mm	≥Stroke+157mm	≥Stroke+163mm
IP rating	IP66W	IP66W	IP66W

Easier and Safer Quick Release Options

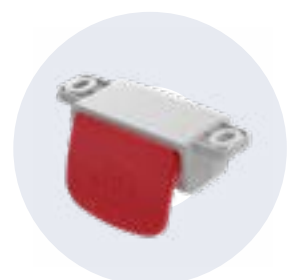
Mechanical Quick Release

TA31QR provides a spindle set Hall sensor or POT (potentiometer), which will continue to **send position feedback after the quick release action is performed**, allowing the user to maintain an accurate position within the control system. Also, the slow-descent design can **protect the patient during the quick release process and increase safety in an emergency**.



Electronic Quick Release

The TA31 is equipped with a 3-brush motor that **increases the quick release speed 1.5 times the normal retracting speed**, providing a simple and convenient option for hospital beds. The TA31 can **support direct-cut actuation systems** when used with the TMH26 control.



Lifting column



TL17



TL52



TL3



TL51

Features	TL17	TL52	TL3	TL51
Max. load	2,000N (push)	3,300N (push)	4,000N (push)	6,000N (push)
Max. dynamic bending moment	250Nm	250Nm	1,000Nm	1,400Nm
Max. speed at max. load	11.5mm/s	6.5mm/s	13.7mm/s	8.6mm/s
Retracted length	≥ Stroke/2+150mm	≥Stroke+256mm	≥ Stroke/2 + 150mm	≥Stroke/2+180mm

Controls



TMH5



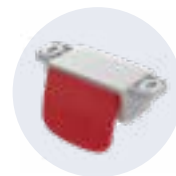
TMH11



TMH15



TMH17



TMH26

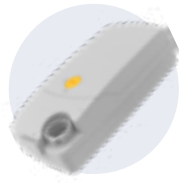


TNP10

Features	TMH5	TMH11	TMH15
Number of motors	Customer's choice	1~3	1~3
Max. available buttons	10	13	6
IP rating	IP66W	IP54	IP66
Other options	Display, safety key	Voice IC	Backlight, hook

Features	TMH17	TMH26	TNP10
Number of motors	1~5	Customer's choice	4
Max. available buttons	10	1	34
IP rating	IP66W	IP66W	IP66
Other options	Backlight, hook	Direct cut support	Backlight

Control boxes



TC21



TC26



TC28

Features	TC21	TC26	TC28
Number of motor	1~5	1~3	1~5
Number of control	1~2	1	1~2
IP rating	IP66W	IP66	IP66W

Accessories



TSS2



TBL2



TBL3

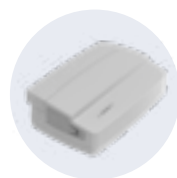


TPS

TSS2	TBL2	TBL3	TPS
Rubber-made Safety Strip	Bed Bottom Light	Bed Bottom Light	Pressure Sensor
It can be customized according to each customer's needs	With PIR motion sensor, it lights up when nearby motion is detected	LED icon supports can display images to indicate the patient's condition	It will make a warning sound via a compatible hand control if a patient leaves his medical bed



TAB2

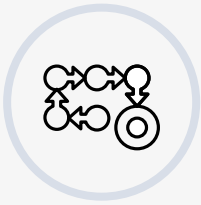


TRF4



TFA5

TAB2	TRF4	TFA5
Alarm Buzzer	Wireless Receiver	USB Chargers
Noise level: 80 dB	Bluetooth and Wifi support	Can be mounted to the side rail



Vertical Integration

Design → Components → Final Assembly → Quality Control → After-sale Service

TiMOTION operates under a vertically integrated business model, which gives us total control to offer you the highest possible quality standards. While competing products are limited in design and integration features, TiMOTION specializes in complete customizable solutions based on the individual customer's needs.



Customization

With a vertically integrated business model, TiMOTION offers total solutions that are high quality and highly customizable to meet various software, hardware, or user interface needs.



Global Service Office

TiMOTION has seven corporate offices and numerous sales agents, making TiMOTION well-positioned to provide global engineering and sales support.



Taiwan & China

+886 2 2219 6633
sales.tw@timotion.com

USA

Toll Free (855) 235 1424
sales.us@timotion.com

Europe

+33 (0)1 74 82 50 51
sales.eu@timotion.com

Korea

+82 31 745 1060
sales@timotion.co.kr

Japan

+81 6 6713 1188
sales.jp@timotion.com

Australia

+61 3 8725 0331
sales.tw@timotion.com

Russia

+7 (921) 406-23-34
sales.cis@timotion.com

Latin America

+55 (11) 5081 5011
sales.la@timotion.com

