



Panasonic Robotic Care Bed/Wheelchair Resyone Plus
XPN-S10601HK

Included Items Main unit (Bed + Wheelchair), wood grain boards, fitted sheet (2 sheets per set), mattress (with waterproof cover), power charger, battery kit for wheelchair, head rest for wheelchair (pillow)

SPECIFICATIONS

Common Items	Maximum body weight of user	100kg
	Mattress length	1970mm
	Mattress width	920mm (bed), 460mm (wheelchair)
	Mattress height	100mm (urethane 3 layer structure) (Bedsore guide: ~ Stage II)
Bed (combined with wheelchair)	Overall length	2075mm
	Overall width	1003mm (bed unit) 1009mm (combined with wheelchair)
	Overall height	799-1079mm
	Bottom length	1945mm
	Bottom width	890mm (including wheelchair)
	Back raising angle	0-70°
	Foot raising angle	0-28°
	Bottom height	455-735mm
	Caster diameter	100mm
	Power	220VAC 50Hz
Power consumption	200W	
Weight	164kg (including wheelchair)	
Wheelchair	Overall length (sitting state)	1178mm
	Overall width (sitting state)	554mm
	Overall height (sitting state)	1236mm
	Seat surface height	425mm
	Seat surface width	430mm
	Back raising angle	0-75°
	Caster diameter	150mm
	Power	DC24V (with Lead Storage Battery [2Ah], power charger)
	Weight	50kg

*Mattress is not included in the specifications of bed and wheelchair. For safety concern, no siderails, bed grip and side table can be installed.

OPTIONS



Fitted sheet (2 sheets per set)

PN-S106032HK
Size: 1970 x 460 x 100mm (with mattress installed)
Material: Nylon, Polyurethane Applicable to both bed and wheelchair. 2 sheets per set.



Siderail (2 units per set)

PN-S106042HK
Size: Length 996 x Overall Height 472mm (with mattress installed)
Weight: 2.5kg (1 unit), 2 units per set.



Over Bed-table

VA1316039HK
Size: Length 1000mm x Width 320mm
Weight: 3kg, Top Board: Polyester Panel



Back-up Battery Kit (for bed)

PN-S106041HK
Weight: 3.1kg (inclusive of installation brackets)
DC24V (Lead Storage Battery [2Ah])

CONSUMABLE PARTS



Mattress

PN-S106031HK
Size: 1970 x 460 x 100mm (1 piece)
Weight: 5kg (1 piece)
Material: Urethane
Urethane mattress, waterproof cover.
Each 2 pieces per set.



Battery Kit for Wheelchair

PN-S106014HK
Weight: 2.4kg (inclusive of installation brackets)
DC24V (Lead Storage Battery [2Ah])
*Charge the battery 1-2 times each week (for reference only)
(Assuming that 4 times of reclining per day and charge for approximately 8 hrs each time.)



Headrest for Wheelchair (Pillow)

PN-S106033HK
Size: 340 x 200 x 100mm
Material: Urethane (1 piece with cover)

SAFETY PRECAUTIONS

- Prior to using the product, please read "Usage and Installation Manual" thoroughly. Should you have any enquiries, please contact the sales agent or installation service provider and use the product correctly.
- Some catalogue items may be restricted to the use for specific purposes and locations and may require installation by professionals. Please contact the sales agent or installation service provider for details.
- Please do not tie up the power cord/cable while the product is in operation. It may cause the power cord/cable to generate heat and cause fire.

Prior to Purchase

- For the purpose of product improvement, the appearance may be subject to change without prior notice.
- Please be informed that the colour of the actual products may differ slightly with the pictures on this catalogue.
- For further detail of catalogue items, please contact us or the sales agent.

Importer: Panasonic Eco Solutions (Hong Kong) Co., Ltd

V0918



Product Details

Sales Agent:

SHUN HING TECHNOLOGY CO., LTD.
9/F, Peninsula Centre, 67 Mody Road, Tsimshatsui East, Kowloon, Hong Kong

2313 0666
www.panasonic.oa.hk

Repair Service:
SHUN HING ELECTRIC SERVICE CENTRE LTD.
Tel: 2406 5777

Panasonic
Homes & Living

Panasonic Robotic Care Bed/Wheelchair
Resyone Plus



Award Programme for Introduction of Care Robot, 2016
Award of Excellence

Organizer: Association for Technical Aids, Inc.
Ministry of Health, Labor and Welfare

"Resyone Plus"
New Arrival
with Advance
Features



Make everyone happy.
A new way of getting out of bed.
A robot which helps people get out of bed.

Panasonic Robotic Care Bed/Wheelchair “Resyone Plus”

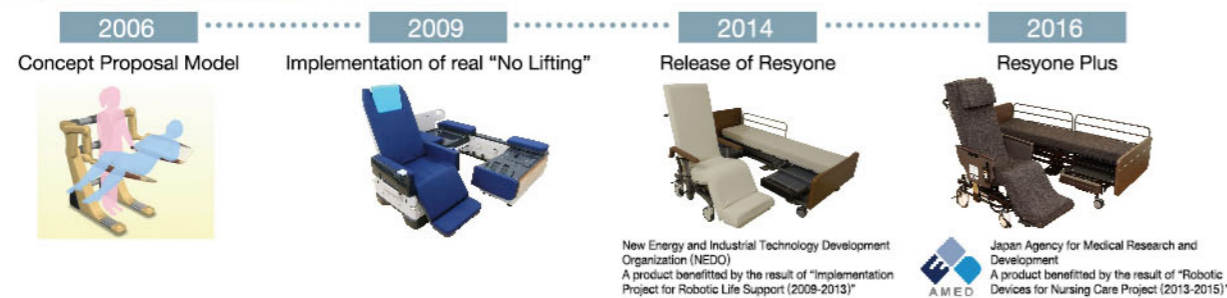
A solution to various issues at the scene of caregiving



Started as a national project, Panasonic has been working on the development and product commercialization of care robots for more than a decade.

Panasonic has been focusing on the high demand of transfer assistance at the scene of caregiving and began the research and development on robotic care in 2006 to help users get out of bed with more ease. The practicality and effectiveness of the product have been jointly evaluated by a number of caregiving facilities. Based on the feedbacks of more than 500 caregivers who have experience with the actual machine so far, “Resyone Plus” has gone through a lot of improvements and becomes safer, simpler and more comfortable.

History of Development



Resyone Plus has acquired of ISO13482 Certification (certified by a third party) which is an international standard regarding the safety of personal care robot (life support robot). As it has achieved the safety standard required for nursing care robot, you feel relief when using it.



Users (Families)

Issues

- Less opportunity to leave the room. No fun in life.
- Have worry when being lifted up for transfer and against machines.
- Being confined to bed for a long time and less conversation with families.

Solutions by “Resyone Plus”

- More opportunity to get out of bed and let the user have more fun in life.
- As the bed can become a wheelchair, no more transfer and feel safe.
- As the user can enjoy more life experience, it will make the families feel relief during the visit.

Caregivers

Issues

- It takes time to transfer the user from bed to wheelchair.
- Great physical and psychological burden.
- Less room for caregiving if a transfer lift and a wheelchair are placed nearby.

Solutions by “Resyone Plus”

- One caregiver can handle the transfer. Transfer time can be reduced to half.
- Less burden on the waist and psychological burden on getting hurt and falling are reduced by approximately 80%.※
- Less space is required as a single unit is equipped with multi-functions.

※By internal investigation (no guaranteed value)

Facility operators

Issues

- Chronic manpower shortage and difficulty in recruitment.
- Caregivers easily get exhausted and high turnover rate.
- Inadequate facilities and equipment.

Solutions by “Resyone Plus”

- As the transfer assistance becomes more efficient, it contributes to the quality of caregiving.
- Physical and psychological burden can be reduced and such may help caregivers stay at their jobs.
- Advance equipment may contribute to the recruitment of new caregivers and encourage more people to move into the facility.

Awarded with “Minister of Economy, Trade and Industry Award”
for the efforts on making comfortable and safe products.

2016
Excellent company
on product safety solution

Points of evaluation

Solutions for expectable risks during the stage of planning and design.

Standardization of internal skill for safety enhancement.

Maintenance of system which can react quickly when problem occurs.

※Panasonic Corporation, as Eco Solutions Company Group was awarded with this award in the large manufacturers and importers section of the award for excellent company on product safety solutions, 2016 organized by the Ministry of Economy, Trade and Industry.

Introduction of "Resyone Plus" relieves the burden on caregivers and improves users' quality of life.

Video is available for learning the characteristics of this product.

※Please bear the fee of data communication.
※Please note that the video may not be played on some devices.



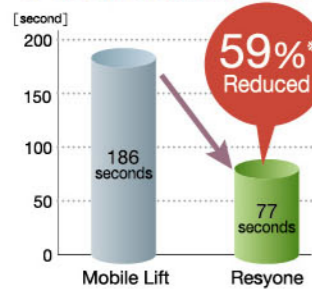
Caregivers

One caregiver can handle the transfer and the time can be reduced to half.

Time saved by an increase in efficiency can take care more users.

In comparison with conventional mobile lifts, the time spent on transfer care can be reduced by 59%. Two caregivers have been required for transfer care so far. Now it can be easily, safely and smoothly handled by 1 caregiver only.

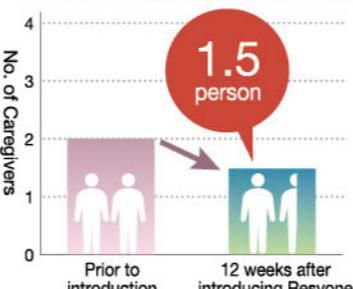
Time spent on transfer care



	Mobile Lift	Previous model of Resyone
Time required	186 seconds	77 seconds 59%* Reduced
No. of Works (Steps)	103	26 75% Reduced
Working space (area required for transfer care) It is divided into different 10x10cm area. Count the number of area where the neck went through and the track during the work.	310 (area) 39.7m (track length)	135 56% Reduced 12.7m 68% Reduced

Co-operation in evaluation: Foundation for Yokohama Rehabilitation Services *By internal investigation

No. of Caregivers for transfer care



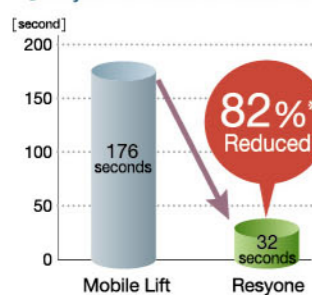
From the result of Promotion Project for Robotic Care (2014, Ministry of Economy, Trade and Industry and the Association for Technical Aids) n=89

Physical and psychological burden of waist pain, injury and falling etc. can be reduced by 80%.

It helps to create a safe working environment for caregivers.

Worries regarding physical hard work, accident and falling of users have always been important issues of transfer care. "Resyone Plus" makes "transfer without lifting" possible and such greatly reduces physical and psychological burden.

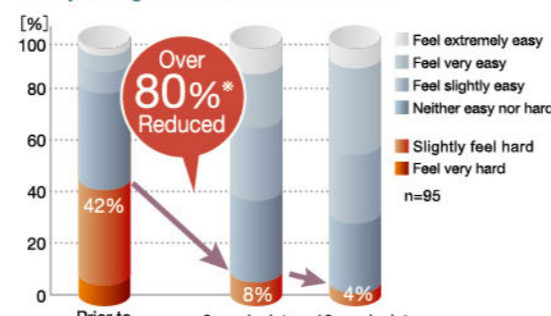
Physical burden of transfer care (over 20 degree waist bending works)



	Mobile Lift	Previous model of Resyone
Physical burden (over 20 degree waist bending works)	176 seconds	32 seconds 82%* Reduced
95% (full course comparison)	-	30% 68% Reduced

Co-operation in evaluation: Foundation for Yokohama Rehabilitation Services *By internal investigation

Psychological burden of transfer care

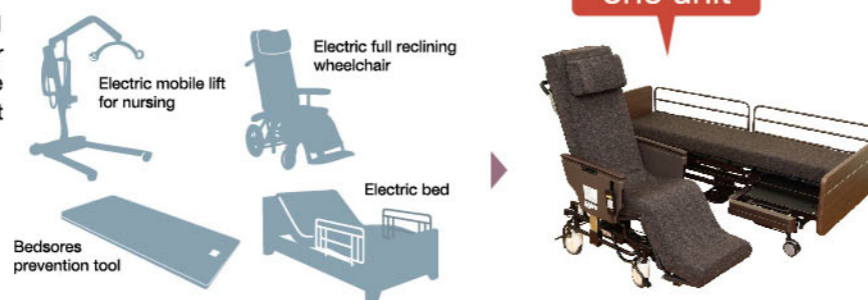


Psychological burden means:
● Worry of injury and accident
● Long caregiving hours
● A lot of physical hard works

Multi-functions in 1 unit. Less space becomes possible.

Enjoy every moment in living room with more space.

Functions like electric bed and wheelchair and special lift for transfer etc. are integrated in this 1 unit. The parking space for wheelchair while not in use is no longer necessary.



Multi-functions in this one unit

Users (Families)

More opportunities to get out of bed

More life experience

Let you have more fun in life.

Transfer from bed to wheelchair becomes easy so the user can actively take part in recreational activities.

Families are happy too during the visit.

The user can enjoy conversation with families while sitting on the wheelchair and families are happy too spending time together with the user.

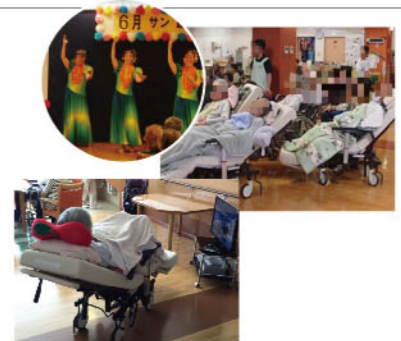
Voices of facility operators who have introduced the product in their facilities

Positive comments from many caregivers that the works get easy.

Previously it was a great pressure to caregivers that it would be a great deal of efforts to transfer the user to a wheelchair because skin peeling and congestion etc. would occur during the transfer. After the introduction of "Resyone", the transfer can be done in short period of time. Lifting up the user is no longer necessary so worries about back pain and accident are also less. These positive comments attribute to the satisfaction of caregivers.

Users can enjoy every moment in life too.

The frequency of transfer from bed to wheelchair for users is gradually increasing. Now we can see more users gathering on the floor for watching TV or singing a song, and happiness can also be observed on their facial expression and conversation. In addition, users have more opportunities to enjoy conversation with their families during the visits and we have received comments from them that they are happy.



From Nursing Care Health Facility for the Aged

Facility Operators

Improvement of efficiency of transfer care

Contribute to the enhancement of care quality.

Better caregiving by few caregivers becomes possible even for facility of manpower shortage.

Decrease in physical and psychological burden

Make caregivers stay at their jobs

Reduce physical and psychological burden which are major factors of staff turnover.

Installation of advance equipment

Contribute to the recruitment of new caregivers and encourage more users to move in.

The facility will be better equipped by introduction of advance equipment and such will become an appealing point for recruitment of staff and tenants.

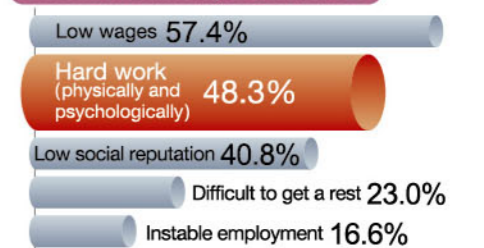
Is the number of caregivers sufficient?

Far from enough 19.8% Invalid and No Answer 0.9% Just good enough 14.7%



More than 80% replied insufficient. Slightly too many 1.9% *2015 Investigated by Nisso Net Co., Ltd n=529

Reasons for difficulty in recruitment



※ Investigated by Care Work Foundation, 2015. (multiple answers) n=2,903

Contribute to the improvement of facility issues and stable management.

The new idea of integration of “electric care bed” and “wheelchair” assists you out of bed with ease every day.

Looking for a comfortable way for both users and caregivers.
Electric Care Bed

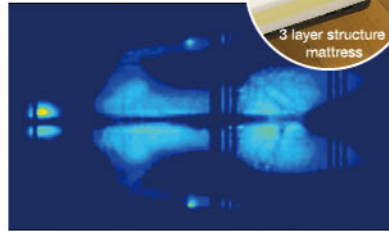


Comfortable and safe, easy to move
Electric Reclining Wheelchair

Feel comfortably for the whole body and sleep well.

The mattress disperses the body pressure. The user does not even feel the joint of mattress.

The 3 layer structure of 10cm urethane mattress has a high performance of dispersing the body pressure. It is well designed that the user lies comfortably on it and do not even feel the joint where the two mattresses separate.



Body pressure dispersion data of the mattress

Keep the usage environment clean. Waterproof mattress and fitted sheet

It is easy to wipe out the dirt thanks to the waterproof feature of the mattress. The fitted sheet can also be easily replaced and washed if it gets dirty. The user can enjoy a clean environment all the time.



Dirt on the mattress can easily be wiped out.



Fitted sheets can be quickly washed by a washing machine.

Simple and easy-to-use design even for a new caregiver.

The layout free feature allows you freely set the separate direction of the wheelchair either to the left or right side.

It is convenient that as the layout can be changed at the time of assembly, you can freely set the separation direction either to the left or right side according to the room layout.



The angles of back elevation and foot elevation can be adjusted respectively and keep the body position stable.

The bed is fully equipped with basic features required. The angles of back elevation and foot elevation can be adjusted to 0~70 degree and 0~28 degree respectively and keep the body position stable.



The bed can be adjusted to the height of easy caregiving.

The bed height can be adjusted within the range of 45.5cm~73.5cm. Caregivers are no longer required for bending their backs and reduce physical burden during caregiving.



With audio guide and liquid crystal display, it is easy to operate even for a new user.

The separation and combination can be easily operated with the assistance of audio guide and liquid crystal display. The shape of the handset is easily grasped by hand and operated by fingers.

Combine OK
Please press the combine button



Universal design that make it fit to your hand and fingers

● Precaution against operation mistake

The display colour is linked (back elevation, foot elevation, bed height) with the button colour (background colour)

Combination in progress Back elevation in progress



A wheelchair that cares about safety and comfort.

Big armrests keep the body position. Safe separating structure prevents accidental falling.

Armrests with big covers help to keep the body position. The safety feature is that the cover cannot be separated from the wheelchair unless it is lifted up.



Reduce pressure and disposition. Comfortable electric reclining.

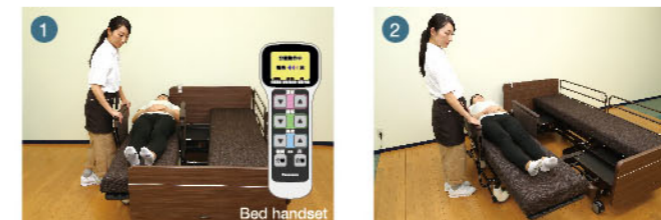
The movement of back and foot are synchronized in proper timing so as to reduce the pressure and disposition during the reclining. It can change to the sitting state with less discomfort to the user.



Separation and combination in short period of time and the movement is smooth too.

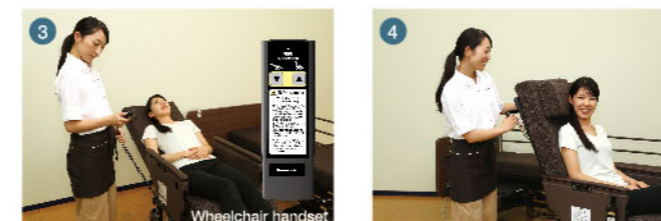
The separation and combination procedures are simple and can be handled by one caregiver.

Separation and combination can be easily handled by one caregiver and no complicated operation is required. It can transform to a wheelchair in a short period of time and prevent the user from injury and accidental falling.



① Lift up the outside armrest and use the bed handset to separate the bed.

② Pull up the inside armrest and completely separate the wheelchair section from the bed.

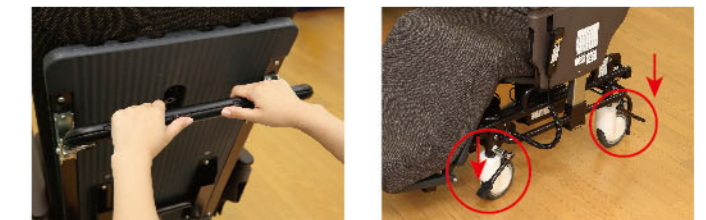


③ Lock the wheelchair casters and use the wheelchair handset to set it to the sitting state.

④ Adjust the body position and the wheelchair is ready to use. Pull out the push handle, disable the lock and move.

Stable running and operation performance. Feel safe as all casters can be locked while not in motion.

The movement of the wheelchair is smooth as it is equipped with casters of less resistance and an easy-to-push handle in the shape of a horizontal bar. All casters can be easily locked and the wheelchair is stable even while not in motion.



Horizontal bar handle

All casters can be locked by simple operation

Long lasting battery reduces the trouble of power charging.

Charge the battery once or twice per week for approximately 8 hours each time. (assuming 4 reclining cycle per day)



Simply plug in the plug of the charger into the power port found on the side of the wheelchair.