

# *Active & Passive Motion Rehabilitation*



A Squared Ltd.

2202 Causeway Bay Plaza One, 489 Hennessy Road  
Causeway Bay, Hong Kong  
sales@asquared.hk | +852 8191 7646



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Causeway Bay, Hong Kong

sales@asquared.hk | +852 8191 7646 | +44 20 3290 4717 | +32 50 946 011

## Introduction

### About Us:

A Squared is a leading Hong-Kong based physiotherapy, wellness and healthcare company.

### Our Mission:

Supplying our customers with the highest-quality, safety-tested physiotherapy, rehabilitation, sports fitness and medical products. To make purchasing these products easy, reliable and profitable for our clients.

### History & Management:

A Squared was established in 2013 by Christof Van der Stichele. Prior to founding A Squared, Christof was international sales manager of one of the world's top physiotherapy and wellness device companies for many years.

Christof has 25 years of experience in Asian markets, international business development, building distributor networks, and supervising manufacturing.

### Distribution Opportunities:

We offer exclusive distribution opportunities for several of the products in this catalogue. Please contact us for more information

### Our Products:

A Squared offers only products and services which reflect these core values: **Quality, Safety** and **Evidence-Based**.

**Thank you for your interest in our products. We hope you enjoy our 2017 catalogue, and welcome your enquiries:**

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# Active / Passive Motion Rehabilitation

## SP-1100 Upper & Lower Body Limbs (LCD Touch Screen)



- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 4 to 60 rpm.
- Passive Assistance
- In the Passive Mode, the AP Pro automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function
- The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance.
- 8 Levels of resistance - Upper & Lower Body

## SP-2100 Lower Body Limbs (LCD Touch Screen)



- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 4 to 60 rpm.
- Passive Assistance
- In the Passive Mode, the AP Pro automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function
- The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance.
- 8 Levels of resistance - Lower Body



### SP-3100 Upper Body Limbs (LCD Touch Screen)

- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 4 to 60 rpm.
- Passive Assistance
- In the Passive Mode, the AP Pro automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function
- The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance.
- 8 Levels of resistance - Upper Body



### SP-1100E Upper & Lower Body Limbs (Segment Display)

- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 4 to 60 rpm.
- Passive Assistance
- In the Passive Mode, the AP Pro automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function
- The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance.
- 8 Levels of resistance - Upper & Lower Body



### SP-2100E Lower Body Limbs (Segment Display)

- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 4 to 60 rpm.
- Passive Assistance
- In the Passive Mode, the AP Pro automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function
- The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance.
- 8 Levels of resistance - Lower Body





### SP-1100P Upper & Lower Limbs for Pediatric (LCD Touch Screen)

- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 4 to 60 rpm.
- Passive Assistance
- In the Passive Mode, the AP Pro automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function
- The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance.
- 8 Levels of resistance - Upper & Lower Body



### SP-2100P Lower Body Limbs for pediatric (LCD Touch Screen)

- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 4 to 60 rpm.
- Passive Assistance
- In the Passive Mode, the AP Pro automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function
- The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance.
- 8 Levels of resistance - Lower Body



### SP-1100PE Upper & Lower Body Limbs for Pediatric (Segment)

- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 4 to 60 rpm.
- Passive Assistance
- In the Passive Mode, the AP Pro automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function
- The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance.
- 8 Levels of resistance - Upper & Lower Body



## SP-2100PE Lower Body Limbs for Pediatric (Segment)

- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 4 to 60 rpm.
- Passive Assistance
- In the Passive Mode, the AP Pro automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function
- The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance.
- 8 Levels of resistance - Lower Body



## SE-1000 Whole Body Exerciser

- Bi-directional resistance allows the exerciser to achieve muscle balance.
- 8 levels of resistance.
- Comfortable, ergonomically angled hand grips.
- Dependent motion enables active assistance – stronger extremities aid weaker extremities. - Perfect for orthopedic, spinal cord or traumatic brain injury rehabilitation.
- Wheelchair accessible.
- Locking mechanism to stabilize pedals while securing foot straps.

### TECHNICAL SPECIFICATIONS

	SP-1100	SP-2100	SP-3100	SP-1100E	SP-2100E	SP-1100P	SP-2100P	SP-1100PE	SP-2100PE
Power Supply	110V / 220V, 50 / 60Hz								
Dimension: (W)x(D)x(H)mm	550 x 920 x 1,080	520 x 730 x 1,070	550 x 920 x 1,080	550 x 920 x 1,110	520 x 730 x 1,030	550 x 890 x 1,030	520 x 730 x 1,000	550 x 890 x 1,050	520 x 730 x 960
Weight (kg)	40	33	32	40	33	39	33	39	32
7" LCD Touch Screen User Interface	•	•	•			•	•		
Segment Remote Control				•	•			•	•
Height Adjustable	•	•	•	•	•	•	•	•	•
Lower Body Elevation						•	•	•	•

### TECHNICAL SPECIFICATIONS

SE-1000	
Dimension: (W)x(D)x(H)mm	1,020 x 580 x 1,330
Weight (kg)	45

### MONITOR SPECIFICATIONS

FUNCTION	Auto Scan	Every 6 seconds
	Speed	Unit: KPH
	Distance	0.1-999.9 KM
	Time	0:00-99:59 (Minute:Second)
	Odometer	0.1-999.9 KM
	Calorie	0.1-999.9 Kcal
Sensor	No-contact magnetic type	
Battery type	Two pieces of SIZE-AA or UM-3	
Operation temperature	0°C - +40°C (32°F - 104°F)	



## AP-1082 Active Motion Chest Press

- Easy to understand click system for adjusting resistance level
- Smooth and consistent resistance
- Low risk of excessive weight pressure on joints and ligaments
- No risk of dropping weights
- Movements are easy to interrupt and continue
- Silent in use
- Devices are self explanatory
- Small and compact design
- Quick and simple to set up and to set aside

Muscle Groups:

Triceps brachii / Pectoralis major / Biceps brachii



## AP-1083 Active Motion Abdominal

- Easy to understand click system for adjusting resistance level
- Smooth and consistent resistance
- Low risk of excessive weight pressure on joints and ligaments
- No risk of dropping weights
- Movements are easy to interrupt and continue
- Silent in use
- Devices are self explanatory
- Small and compact design
- Quick and simple to set up and to set aside

Muscle Groups:

Rectus abdominis / Erector spinae group



## AP-1084 Active Motion Shoulder Press

- Easy to understand click system for adjusting resistance level
- Smooth and consistent resistance
- Low risk of excessive weight pressure on joints and ligaments
- No risk of dropping weights
- Movements are easy to interrupt and continue
- Silent in use
- Devices are self explanatory
- Small and compact design
- Quick and simple to set up and to set aside

Muscle Groups:

Deltoid / Triceps brachii / Biceps brachii



### AP-1085 Active Motion Pec Flye

- Easy to understand click system for adjusting resistance level
- Smooth and consistent resistance
- Low risk of excessive weight pressure on joints and ligaments
- No risk of dropping weights
- Movements are easy to interrupt and continue
- Silent in use
- Devices are self explanatory
- Small and compact design
- Quick and simple to set up and to set aside

Muscle Groups:  
Pectoralis major / Triceps brachii / Deltoid



### AP-1086 Active Motion Biceps Curl

- Easy to understand click system for adjusting resistance level
- Smooth and consistent resistance
- Low risk of excessive weight pressure on joints and ligaments
- No risk of dropping weights
- Movements are easy to interrupt and continue
- Silent in use
- Devices are self explanatory
- Small and compact design
- Quick and simple to set up and to set aside

Muscle Groups:  
Biceps brachii / Triceps brachii



### AP-1087 Active Motion Leg Press

- Easy to understand click system for adjusting resistance level
- Smooth and consistent resistance
- Low risk of excessive weight pressure on joints and ligaments
- No risk of dropping weights
- Movements are easy to interrupt and continue
- Silent in use
- Devices are self explanatory
- Small and compact design
- Quick and simple to set up and to set aside

Muscle Groups:  
Quadriceps / Gluteus maximus / Gastrocnemius /  
Tibialis anterior / Soleus





## AP-1088 Active Motion Adduction

- Easy to understand click system for adjusting resistance level
- Smooth and consistent resistance
- Low risk of excessive weight pressure on joints and ligaments
- No risk of dropping weights
- Movements are easy to interrupt and continue
- Silent in use
- Devices are self explanatory
- Small and compact design
- Quick and simple to set up and to set aside

Muscle Groups:  
Tensor fasciae latae / Adductor magnus / Gluteus maximus



## AP-1089 Active Motion Leg Curl – Extension

- Easy to understand click system for adjusting resistance level
- Smooth and consistent resistance
- Low risk of excessive weight pressure on joints and ligaments
- No risk of dropping weights
- Movements are easy to interrupt and continue
- Silent in use
- Devices are self explanatory
- Small and compact design
- Quick and simple to set up and to set aside

Muscle Groups:  
Quadriceps / Hamstrings



## AP-1081 Active Motion Back Extension

- Easy to understand click system for adjusting resistance level
- Smooth and consistent resistance
- Low risk of excessive weight pressure on joints and ligaments
- No risk of dropping weights
- Movements are easy to interrupt and continue
- Silent in use
- Devices are self explanatory
- Small and compact design
- Quick and simple to set up and to set aside

Muscle Groups:  
Erector spinae group





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