

# Royal Scissors Aerial Working Platform



SMART MANAGEMENT AND REMOTE CONTROL SYSTEM  
SCISSORS AERIAL WORKING PLATFORM  
4.0-20.0M





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# 01 SECTION

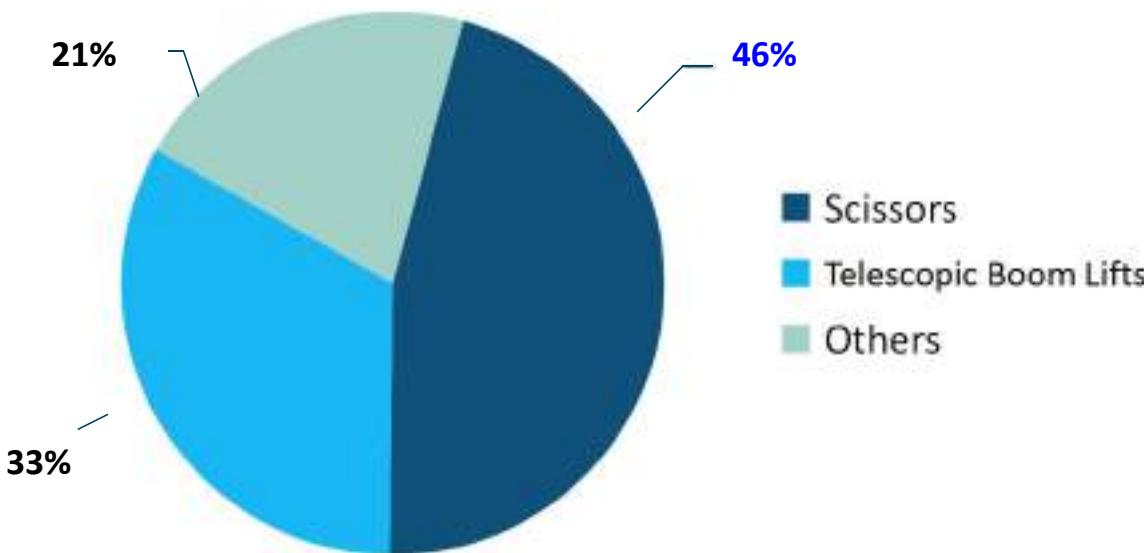
## Market Analysis Of AWP

From Year 2014 to Year 2017, The total market of AWP has increased **33.4%**.

The market is keep increasing in year 2018, this indicates AWP market is with great potential.



### Market Share Of AWP



Scissors lifts is sharing totally **46%** market share of AWP market, as the main part of the market, it leads the growth of the market.

This is also the reason why Royal start AWP products from Scissors Lifts.

# 02

## SECTION

# Royal Range of Scissor Lifts



**ZS0407/0607(W)**



**ZS0812**



**ZS1012**



**ZS1212**



**ZS1623RT**

Model	ZS0407	ZS0407W	ZS0607	ZS0607W	ZS0812	ZS1012	ZS1212 (indoor)	ZS1623RT (Rough Terrain Model.)
<b>Max.Working Height</b>	6.52 m	6.52 m	7.8 m	7.8 m	10.1m	12 m	13.9 m	18.15 m
<b>Max Height Of Platform</b>	4.52 m	4.52 m	5.8 m	5.8 m	8.1m	10 m	11.9 m	16.15 m
<b>Width</b>	0.76 m	0.81 m	0.76 m	0.81 m	1.15m	1.15 m	1.15 m	1.15 m
<b>The Extended Length Of Platform</b>	0.89 m	0.89 m	0.89 m	0.89 m	1m	1 m	1 m	1 m
<b>Capacity</b>	272 kg	272 kg	230 kg	230 kg	550kg	320 kg	320 kg	680 kg
<b>Capacity of Extended Platform</b>	113 kg	113 kg	115 kg	115 kg	120kg	120 kg	120 kg	230 kg
<b>Max. Working Person</b>	2	1	2	1	2	2	2	6

# 03 SECTION

## Advantages of Royal Scissors Lifts

Superior  
Design

Reliable  
&  
Safe  
Operation

High Efficient  
Performance

Easy  
Maintenance



# 03 SECTION

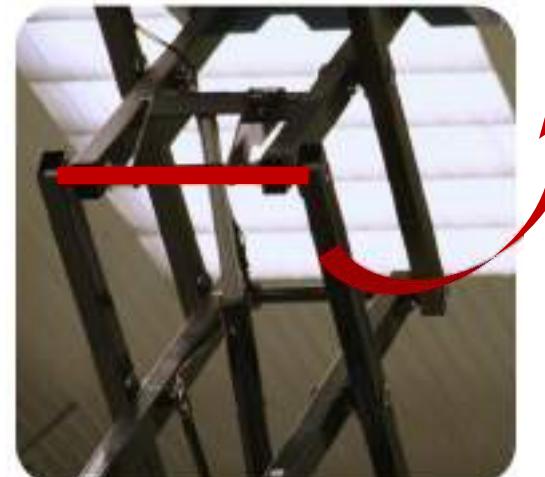
## Superior Design



### *Stronger structure*

Royal scissors is using stronger structure, This makes the machine with high stability and reliability.

- ✓ **100,000 times** cycle test of working life of link;
- ✓ *Static and dynamic stability* tested;
- ✓ *CE Certificated*.



### *Wider Link*

Royal is using wider link, to improve the strength and avoid waggle, which is more wider than most of other brands.

- ✓ The width of Royal link: **910mm**  
(**ZS0812,1012,1212** series)
- ✓ *Other brands: 710mm*



# 03

## SECTION

# Superior Design



### Longer Extended platform

*The extended length of Royal ZS12 series:*

**1000mm(zs0812,1012,1212 series)**

*Other brands: 900mm*

*Royal ZS07 series: 900mm(zs0607 series)*

**Other brands: 850mm**

*Longer platform makes Royal scissor platform able to adjust different working condition better.*



### Foldable rails

*The foldable rails makes the height of platform from 2.4m to 2.0m, which is suitable for container shipment.*

**(zs0812,1012,1212 series)**

# 03 SECTION

## Superior Design

### Smart management –GPS (Option)

#### Working status query

*The owner can remotely check machine's working status easily.*



#### Location query

*It's easily check the location of the machine whenever and wherever you are.*



#### Falut code deliver

*You can read machine's falut code remotely.*

#### Electronic fence

*The machine owner can set machine's active area, once machine crosses these areas, the system will alarm itself.*

# 03 SECTION

## Reliable & Safe Operation



### Innovated instructure pothole protection

*When platform is raised, pot hole protection automatically engages, this will ensure safe operation in the events of uneven surfaces, prevent operator from the harm due to tip-over.*



### Descent protection (Anti-pinch hand buffer)

*During the lowering down of link, when the height to ground is close to 2M, the platform will stop for 3- 5 seconds, to ensure other people around pay attention and leave, to avoid the harm to the operator.*



### Over-load protection system

*Limit person on the platform when working, once overload, the machine will alarm to warning and stop all the movement to guarantee the safety.*

# 03 SECTION

## Reliable & Safe Operation



**Oil hose explosion-proof**

Once the hydraulic pipe leak or failed, the machine will start this safety system and remain the previous state, to protect the operator from the dangerous of falling.



**Emergency Lowering System**

When the hydraulic system failed, this system will help to send operator back to ground safely.



**Tilt protection system**

Machine will alarm and stop all the operation, when:

- Tilt angle of left and right sides exceed 1.5 °
- Tilt angle of forward and reverse exceed 3 °



**Manual Pump**

This button can help to release the brake when the machine is with fault and can't operate.



**Whole set of safety decal**



**Emergency Stop Button**

Both the PCU and the ground controller panel are equipped with emergency stop button to ensure the safety of operator when emergency situation occurs.



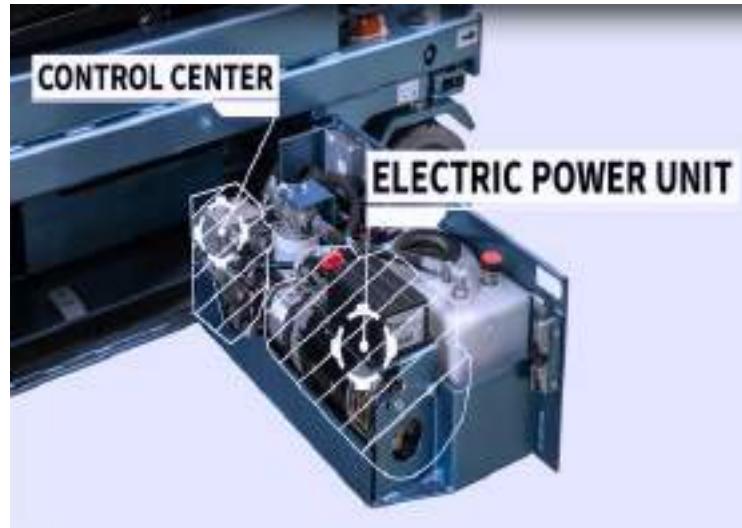
# 03 SECTION

## High Efficient Performance



### Strong Gradeability

25% gradeability makes Royal scissor platform able to work in most working condition.



### Full proportional controlled driving and lifting

*Superior controller system achieves full proportional controlled driving and lifting, makes the machine more stable and efficiency.*



### 0° turning radius

*The steering wheels are able to steering on one spot, reduce the turning radius, so Royal scissor platform can work in narrow space.*



**Maneuver and travel at any height, improving efficiency.**

# 03 SECTION

## Easy Maintenance



### Big maintenance space

*Tidy and reasonable inner layout, side open design provides big space for maintenance and service.*



### Safety Arm

*Safety arm makes user can check the inner hoses and link, also ensures the safety during maintenance.*



### Self diagnosis system

*Royal AWP will diagnose and send fault code to both PCU and ECU automatically when default occurs*



### Manual box

*With Operation and maintenance manuals*



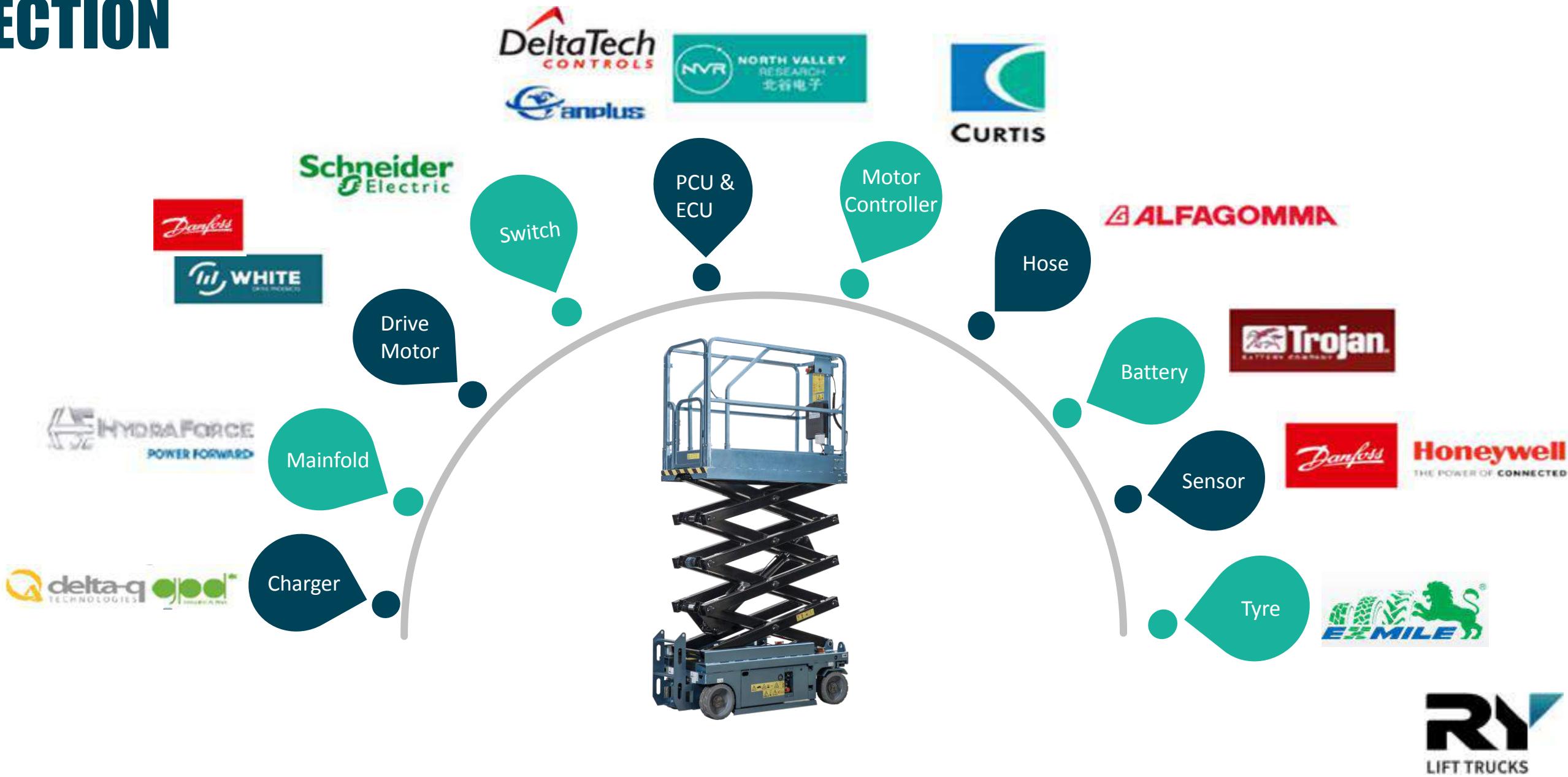
### Longer battery life

*Under the condition of full load, the max electric current of Royal AWP is **170A**, other brands is **200A**. This will extended the using time and using life of battery **20% ~30%**;*

# 04

## SECTION

# Reliable Brands For Main Components



# 05 SECTION

## Patents & Certificates



# 06 SECTION

# Applications





# THANK YOU !



**Royal Forklift (Suzhou) Co.,ltd  
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Website: [www.ryforklift.com](http://www.ryforklift.com)

Youtube:[www.youtube.com/channel/UCR4kBBtKVsoQzxvTaVHMxw](https://www.youtube.com/channel/UCR4kBBtKVsoQzxvTaVHMxw)