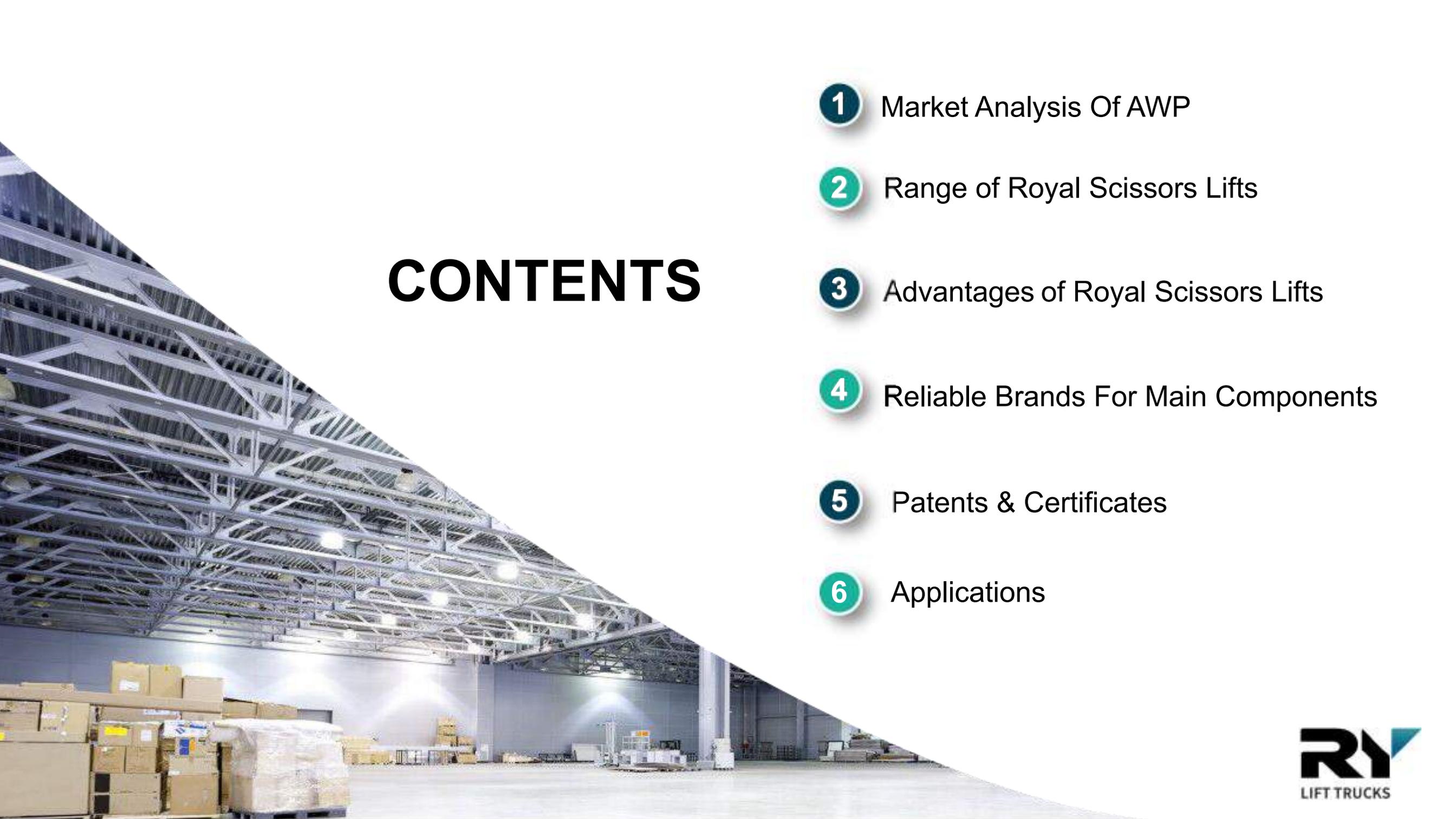


Royal Scissors Aerial Working Platform



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





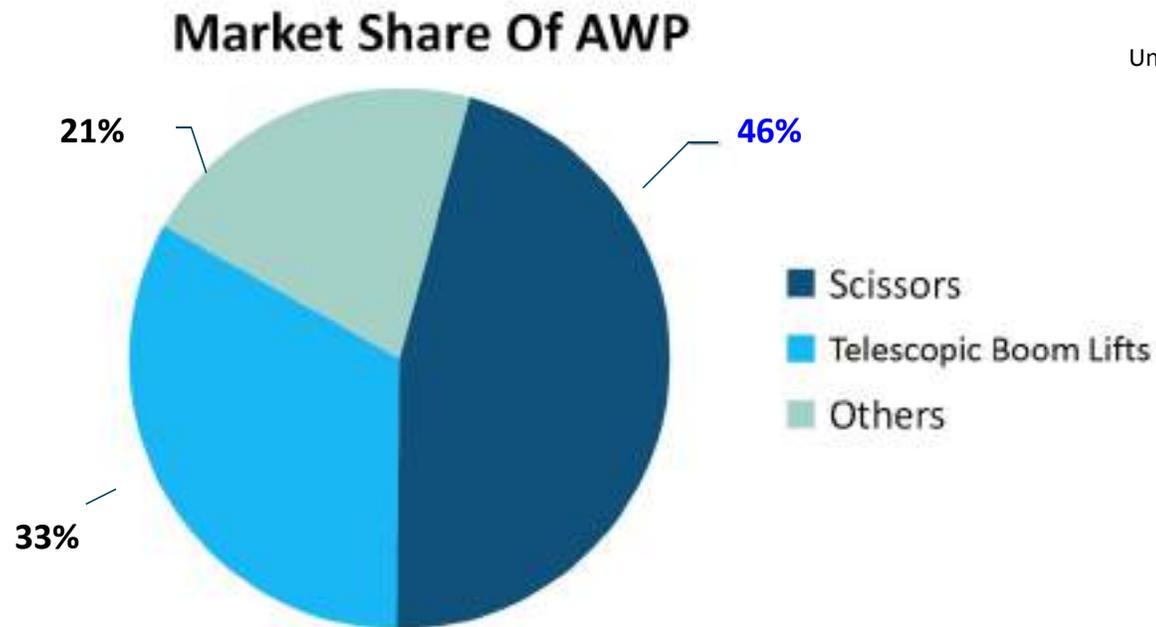
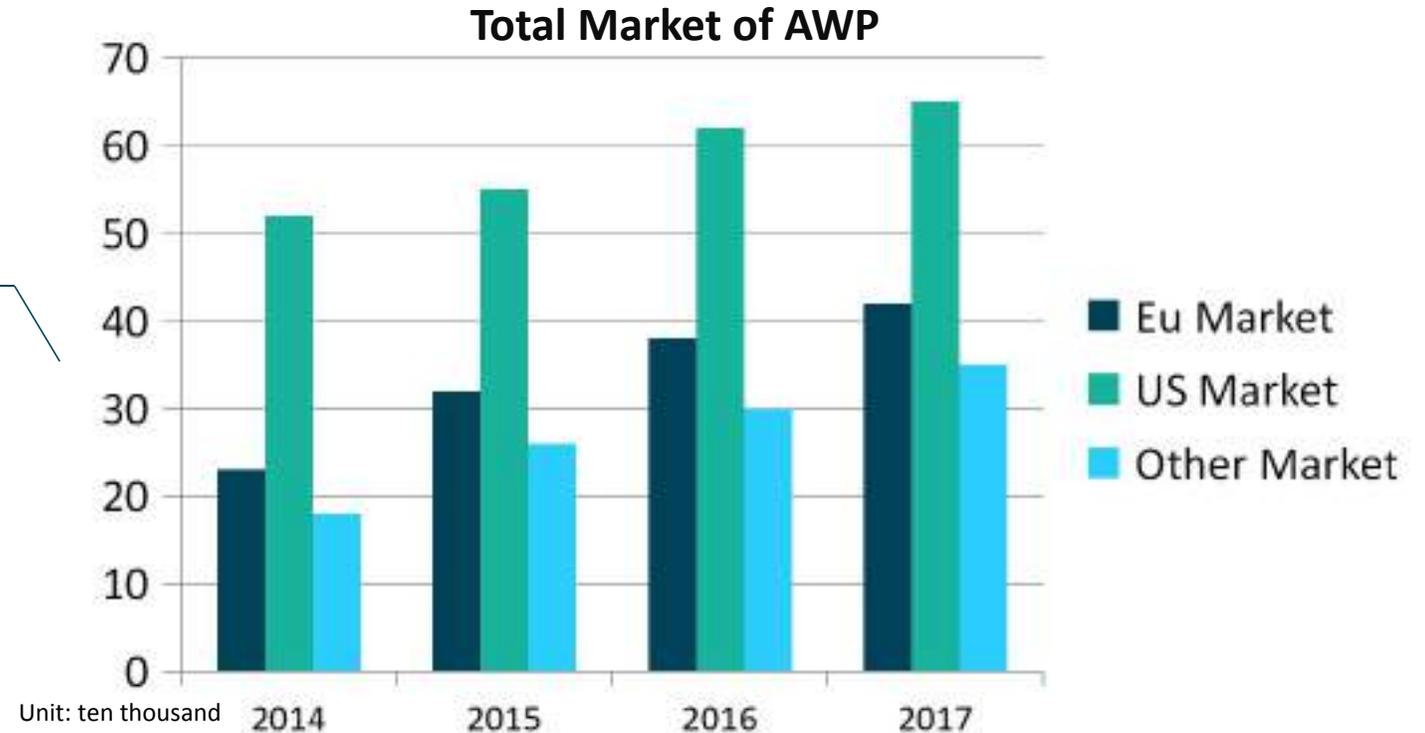
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01 SECTION

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.



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.) |
|---------------------------------|--------|---------|--------|---------|--------|--------|-----------------|---------------------------------|
| Max.Working Height | 6.52 m | 6.52 m | 7.8 m | 7.8 m | 10.1m | 12 m | 13.9 m | 18.15 m |
| Max Height Of Platform | 4.52 m | 4.52 m | 5.8 m | 5.8 m | 8.1m | 10 m | 11.9 m | 16.15 m |
| Width | 0.76 m | 0.81 m | 0.76 m | 0.81 m | 1.15m | 1.15 m | 1.15 m | 1.15 m |
| The Extended Length Of Platform | 0.89 m | 0.89 m | 0.89 m | 0.89 m | 1m | 1 m | 1 m | 1 m |
| Capacity | 272 kg | 272 kg | 230 kg | 230 kg | 550kg | 320 kg | 320 kg | 680 kg |
| Capacity of Extended Platform | 113 kg | 113 kg | 115 kg | 115 kg | 120kg | 120 kg | 120 kg | 230 kg |
| Max. Working Person | 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

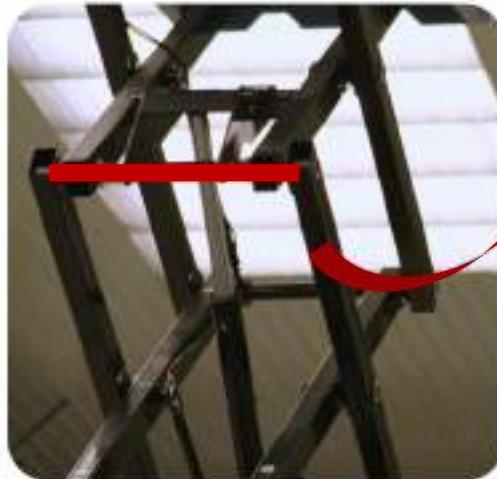
Superior Design



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.



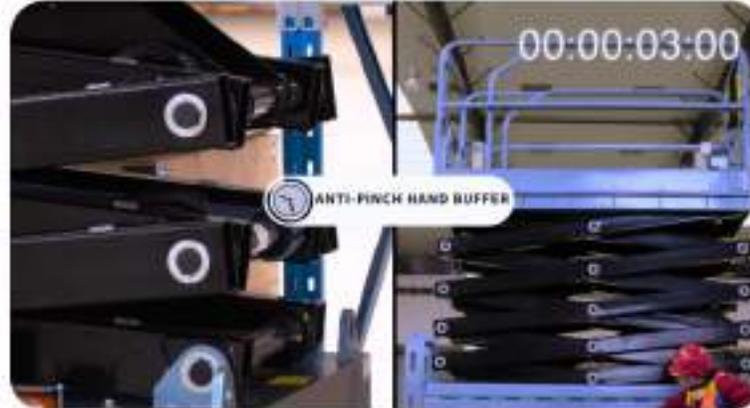
03 SECTION

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.

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.

Whole set of safety decal



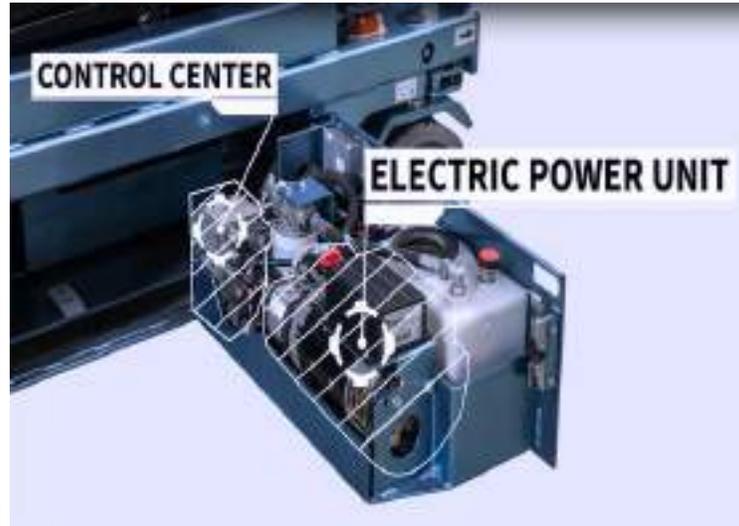
03 SECTION

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 pot, 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.



Self diagnosis system

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



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%;



Safety Arm

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

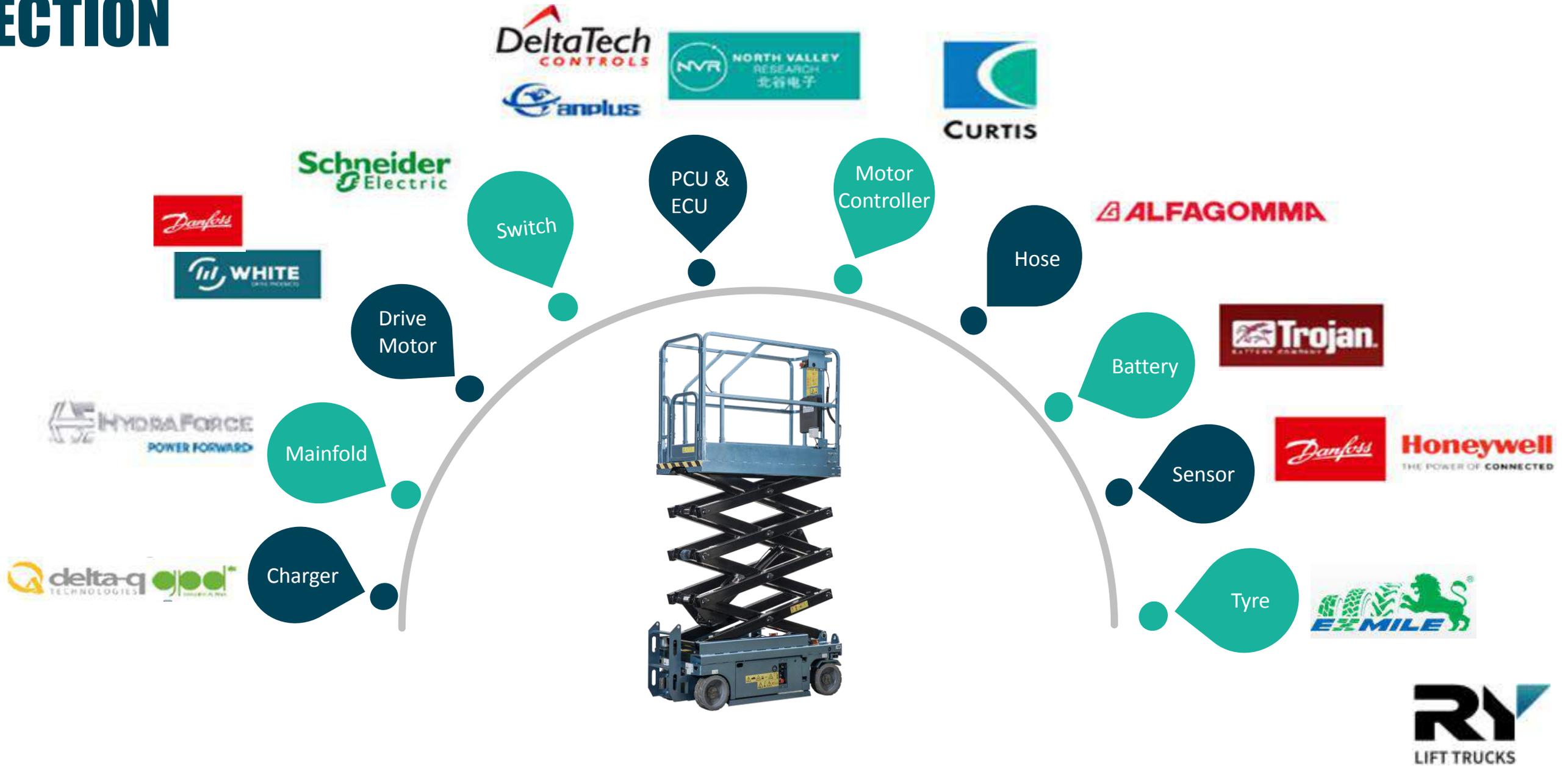


Manual box

With Operation and maintenance manuals

04 SECTION

Reliable Brands For Main Components



05 SECTION

Patents & Certificates



06 SECTION

Applications





THANK YOU !

Royal Forklift (Suzhou) Co.,Ltd
Royal Forklift (Anhui) Co.,Ltd

Website: www.ryforklift.com

Youtube: www.youtube.com/channel/UCR4kBBBtKVsoQzxvTaVHMxw