

mechanisms



Hoisting mech

Technical features:
Adopt frequency conversion motor, fast speed and high torque.
The special software for hoisting is applied to ensure that tower crane does not slip out of the hook at the moment of startup.
Double contactor holding brake protection
Brake failsafe (hover function).



Trolley mech

Technical features:
Adopt frequency conversion motor, run smoothly and without impact.
It is suitable for prefabricated buildings to achieve low-speed operation and accurate positioning of items.



Slewing mech

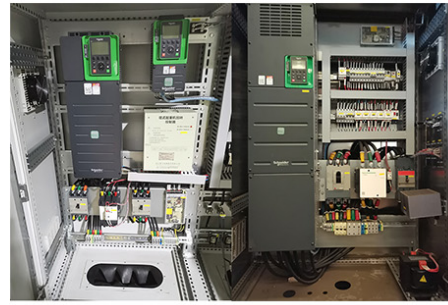
Technical features:
Special software prevents the boom from shaking and ensures smooth rotation.
One-button wind indicator. In the case of strong winds, the swing brake is released in time.



Travelling mech

Technical features:
One drag multi-frequency VF control, make the traveling run more smoothly

Control panel



Technical features:
The main components use the Schneider brand, including frequency converters. The control cabinet has two kinds of shells: stainless steel and iron plate. The overall installation of the plate, the direct riveting of the spare cap, the components are more firmly fixed; Standardize the wiring in the cabinet to reduce the occurrence of wiring faults;

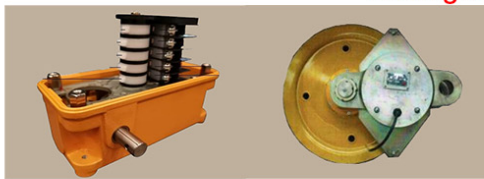


- ①A traceability code is attached to the outside of the control cabinet.
- ②The outer leakage line is wound with a spiral tube.
- ③The cabinet door is affixed with company logos and warning and reminder marks.
- ④Electrical drawings puts in the control cabinet.



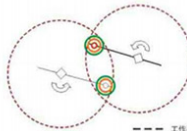
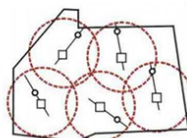
- ①Flat Galvanized Ground Wire, Stop lever and instruction mark.
- ②The control cabinet is tested before delivery, and the qualified mark.
- ③Maintenance light with automatic switch triggered when the door open.

Intelligent manufacturing

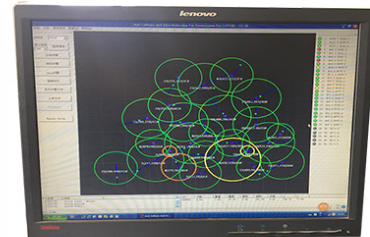


limit switch

Load limiter



--- 工作半径
--- 保护区
--- 禁入区



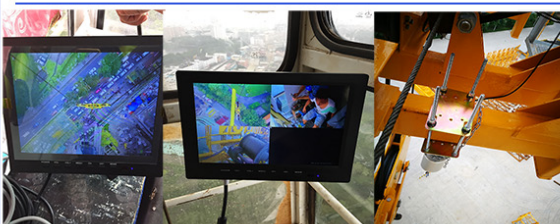
Anti-collision system:
Collision protection between tower cranes, and the tower crane bodyboom or hook collides with other mobile equipment. Area protection, setting the workingrange of tower cranes.



Torque limiter prevent overload for different radius.



Load moment indicator



Video Surveillance



Remote monitoring platform and Mobile terminal

- ① Automatically track the operation of the hook and monitor the lifting status in real time.
- ② Monitor the rope arrangement of the drum.
- ③ Other positions that need to be monitored.