



# FK-RTG 50T



## Basic information

Model

# FK-RTG 50T

Max lifting capacity

**50 T**

Max lifting height

**18.1m**

External clearance of chassis  
and electrical room

**30.18 m**

Internal dimensions  
between vertical supports

**24.5m**



## Technical Specification

|                                                                           |                                                                  |                                                                     |                                                                                        |
|---------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1. Lift and gantry motors                                                 | - Siemens                                                        | 18. Other Bearings                                                  | - Quality Chinese Manufacturer Products<br>/ SKF / INA / FAG                           |
| 2. truck motors                                                           | - Siemens                                                        | 19. Steel structure                                                 | - Q355D for main steel structure                                                       |
| 3. Frequency converters/inverters and PLCs                                | - Siemens (on request)                                           | - Auxiliary steel structure using Q235B                             |                                                                                        |
| 4. PLC                                                                    | - Siemens                                                        | 20. Container cables                                                | - Prysmian / Tratos                                                                    |
| 5. PLS distributed I/O                                                    | - Siemens                                                        | 21. Power cables                                                    | - Prysmian / Tratos<br>Power cables containing single<br>mode fiber (at least 8 cores) |
| 6. CMS                                                                    | - Siemens Fenix Contact                                          | 22. other cables                                                    | - Prysmian / Tratos                                                                    |
| 7. Electrical control system                                              | - on request                                                     | 23. electrical components<br>(relays, circuit breakers, contactors) | - Siemens / Schneider Electric                                                         |
| 8. operator's room                                                        | - according to customer's requirements                           | 24. operating levers                                                | - Gessmann Germany (on request)                                                        |
| 9. cable reel                                                             | - Cavotec Conductix-Wampfler (on request)                        | 25. floodlights                                                     | - Philips China                                                                        |
| 10. container spreader                                                    | - Bromma SF-Porteq ZPMC                                          | 26. Truck winch light                                               | - Philips China                                                                        |
| 11. Gearboxes (lift, truck, gantry)                                       | - Flender Siemens ZPMC                                           | 27. Channel lighting                                                | - Philips China                                                                        |
| 12. Coatings                                                              | - according to customer requirements                             | 28. OGP                                                             | - integrated in PLC system                                                             |
| 13. Brakes                                                                | - Lift - according to customer requirements                      | 29. Telecom equipment                                               | - IP 66-67 high resolution                                                             |
|                                                                           | - Trucks - Electromagnetic disc brake<br>integrated in the motor | 30. limit switches                                                  | - Siemens, Allen-Bradley, Fanuc, Omron                                                 |
|                                                                           | - Gantry - electromagnetic disk brake<br>integrated in the motor |                                                                     | Yaskawa, Sick, iFM, ABB, Schneider                                                     |
| 14. High speed and high load bearings<br>(lift, wagon and gantry)         | - SKF / INA / FAG                                                |                                                                     | BentlyNevada, Mitsubishi, Telemecanique,                                               |
| 15. Emergency drive for van mechanisms                                    |                                                                  |                                                                     | Turck, Parker, B&R, FUJI, Bussmann,                                                    |
| 16. control panels for gantry,<br>truck and lift mechanisms               |                                                                  |                                                                     | Balluff, Lenze, Autonics, TE/Schmersal, Stromag                                        |
| 17. Electrical components and parts<br>(motors, distribution boxes, etc.) |                                                                  | 32. Air conditioning                                                | - Daikin, Mitsubishi, Bosch, LG                                                        |