Claims

1. A rigid telescopic traction trolley for mobile power supply and communication of an automatic tyre crane, comprising: a trolley body (1), a control box (2) and a cable (3) extending from the trolley body (1), wherein a plug (31) is provided at the end of the cable (3); the trolley body (1) is provided with a telescopic deflector rod assembly (5), the deflector rod assembly (5) including a first deflector rod (51) and a second deflector rod (52), wherein the first deflector rod (51) and the second deflector rod (52) are sleeved and matched; and the deflector rod assembly (5) is connected with the trolley body (1) by a flexible member (511);

wherein a hanging rod (4) extending downward is provided under the trolley body (1), a sensor (41) and a hook body (42) are provided at the end of the hanging rod (4), the sensor (41) is connected with the control box (2), and the hanging rod (4) can accommodate and support the cable (3) and the deflector rod assembly (5).

2. The rigid telescopic traction trolley for mobile power supply and communication of an automatic tyre crane according to claim 1, characterized in that the cross-sectional size of the first deflector rod (51) is smaller than that of the second deflector rod (52), and the first deflector rod (51) can be inserted into the second deflector rod (52).

3. The rigid telescopic traction trolley for mobile power supply and communication of an automatic tyre crane according to claim 2, characterized in that the end of the first deflector rod (51) and the end of the second deflector rod (52) are connected by a spring, so the distance between the first deflector rod (51) and the second deflector rod (52) can be increased or decreased.

4. The rigid telescopic traction trolley for mobile power supply and communication of an automatic tyre crane according to claim 3, characterized in that the side wall of the end of the first deflector rod (51) sleeved on the second deflector rod (52) is provided with a pulley, and

the first deflector rod (51) can slide in the second deflector rod (52) in the axial direction of the spring.

5. The rigid telescopic traction trolley for mobile power supply and communication of an automatic tyre crane according to claim 1, characterized in that a bulge (521) which can abut against the sensor (41) is provided at the end of the second deflector rod (52).

6. The rigid telescopic traction trolley for mobile power supply and communication of an automatic tyre crane according to claim 1, characterized in that the traction trolley is provided with a power cable (11), a signal cable (12) and a code scanner (13), the power cable (11) is connected with the cable (3) to realize conductor rail power transmission, the signal cable (12) and the code scanner (13) are connected with the control box (2) to realize waveguide communication transmission, and the code scanner (13) scans two-dimensional codes on a base (100) to feed back position coordinates.