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Translation of the original documentation

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Valid for KR 700 PA

1 Description

For use in certain production technologies, the robot can be equipped with an energy supply system for handling (Fig. 1) installed in the area between the base frame and the arm. The energy supply system consists of a “dress package for A1 - A5” typical of the application concerned, the interfaces on axis 1, axis 2 and axis 5, and the “holder group” required for attachment to the robot.

The energy supply system A1 - A5 is installed between the interface A1 (Fig. 1/10) on the base frame (9) and the interface A5 (2) on the swing frame (1), and consists of a dress package with its three flexible tubes (Fig. 2). The flexible tube A1 - A2 (Fig. 1/11) runs behind the cover (8) from the interface on axis 1 (10) in the base frame to the rotating column (12). The second section continues directly from there, being routed on the rotating column (12) to the link arm (7) and from there to the arm (3). The third section of the flexible tube runs along the arm (5) to the interface on axis 5 (2) on the swing frame (1). At this interface, the supply lines can then be routed to axis 6 or directly to the tool.

The dress package is fastened using hinged clamps. Clamping pieces serve to ensure the correct positioning of the supply lines.

The energy supply system is attached to the robot in such a way that the dress package does not hinder the motion of the robot, while ensuring that the dress package has maximum freedom of movement with minimum wear.

The cables and hoses are connected to a common interface on the base frame, rotating column and swing frame.

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