

Abstract

The invention relates to a screwing device (5) comprising a screwdriver (45) and a connection element (10) for coupling the screwdriver (45) to a robot arm (11).

5

The connection element (10) has a first robot-side transmission element (20), a second tool-side transmission element (22), a restoring element (25) arranged between the first and second transmission element (20, 22), and a distance measuring element (50). The two transmission elements (20, 22) can be moved towards each other against a restoring force of the restoring element (25) in an actuation direction (26). The distance measuring element (50) is designed and arranged so as to be able to measure a distance which represents the spacing between the transmission elements (20, 22) in the actuation direction (26).

10

15 (Fig. 1)