

FCE - Functional Capacity Evaluator (Cradle)

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FCE is widely used in people's daily life. The so-called FCE is to assess the ability of individuals to engage in work activities related to their employment. The main function of FCE is to evaluate a person's ability to participate in work, and sometimes it can also evaluate other daily instrumental activities that support work performance. It is mainly used to record the degree of pain reported by customers in various activities and the ability to manage pain, and convert it into data to determine the activity. This is why we have to study FCE. And my project is to make Cradle in FCE. His main role is to fix the data collector, which is equivalent to a hub for connecting the data collector and the data sensor.

FCE is composed of many parts, and cradle plays a vital role in this equipment. It is like a hub, connecting several parts together to form equipment for work. First, cradle needs to be connected to the arm of FCE. And cradle needs to connect the hand grip and support data collector. While supporting the data collector, we also need to consider fixing issues to prevent the equipment from falling off during assembly or work.

