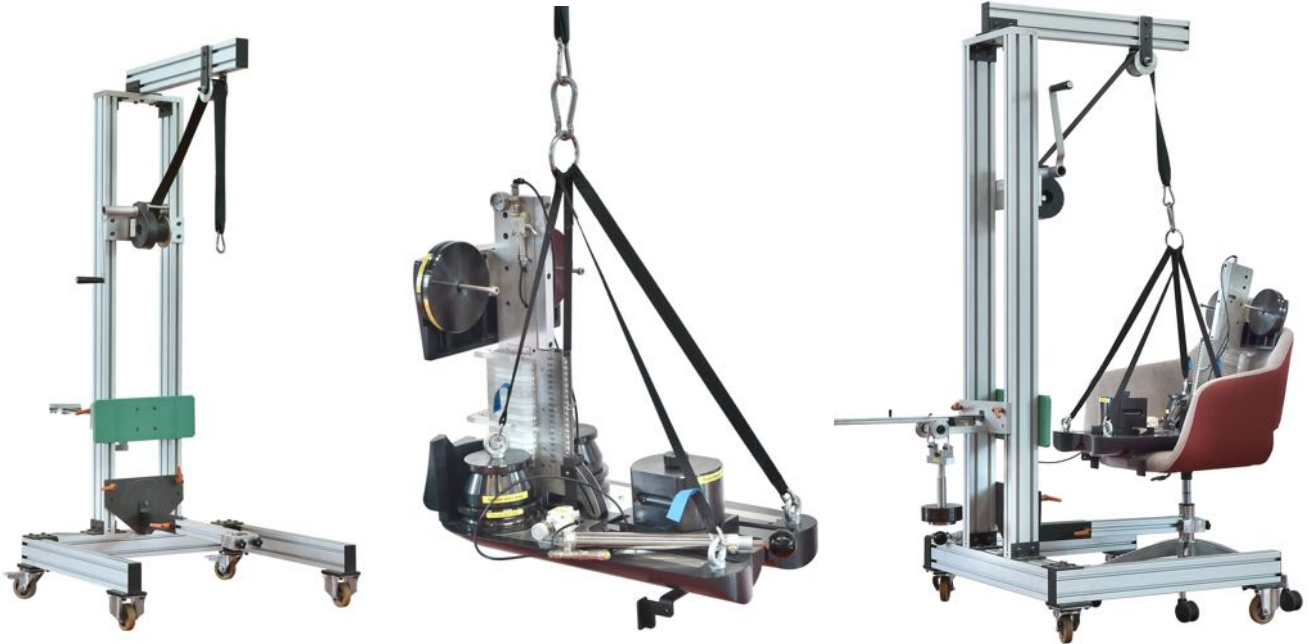


CHAIR MEASURING DEVICE (CMD) AND CMD PLACEMENT FIXTURE ACCORDING TO ISO 24496:2017



The Chair Measuring Device is built in accordance to the specifications of ISO 24496:2017 *Office chairs: Methods for the determination of the dimensions* and complies with the requirements of EN 1335-1:2020 *Office work chairs - Part 1: Dimensions - Determination of the dimensions*.

The CMD consists of an aluminum and steel structure which keeps together three plastic pads: thoracic pad, pelvic pad and buttocks pad. A front weight of 10,5 kg, two lower pelvic weights of 5,0 kg, two upper pelvic weights of 6,0 kg and four thoracic weights of 2,0 kg made of steel are applied to the device. A headrest measurement element, a vertical scale, a backrest height measurement element, an armrest height scale, a seat depth scale, an element to measure the angle between backrest and seat, are included. The lumbar support protrusion is determined by means of 18 plexiglass lumbar segments provided with 18 air fingers connected to a calibrated air pump. All the dimensions, shapes, weights and forces comply with the provisions and tolerances of the reference standards. A metrological verification certificate for masses, forces, angles and lengths, issued by Catas and a metrological verification of the shape of the buttock, pelvic and thoracic pad by means of a coordinates measuring machine (CMM) are provided. The CMD is CE marked.