

Movable Stand with Variable Viewing Angles

Abstract

A movable stand with variable viewing angles comprises hoistable seats, rotatable seats and a main control system. The hoistable seats include a hoistable platform structure, guiding pillars and hydraulic devices, wherein the hydraulic devices support and drive the hoistable seats to move up and down. The rotatable seats comprise rotatable platform structures, rotating pillars and friction driving mechanisms. The rotatable seats are rotatable around the rotating pillars. The movement of the hoistable seats and rotatable seats is controlled by the main control system in such a way that, the hoistable seats are on the same level as the rotatable seats when the hoistable seats are in the lowest position, and the rotatable seats move below the hoistable seats when the hoistable seats are lifted up. Use of hydraulic jacking enables significant reduction of noise and enables moving at a high speed with a heavy load.

Figure 1