

ABSTRACT

AUTOMOBILE STAMPING DIE PREPARATION CRANE

The invention discloses an automobile stamping die preparation crane, which comprising a running cart, a running trolley, a lifting frame and a spreader, the running trolley drives the lifting frame to lift through a lifting mechanism and a steel wire rope, and the lifting frame is connected with the spreader through four groups of quick-release mechanisms; The spreader comprises a Y-direction telescopic mechanism and an X-direction telescopic mechanisms; The X-direction telescopic mechanisms is connected to the extension end of the Y-direction telescopic mechanism, and the upper part of the X extension mechanism is provided with a leveling mechanism, which includes two arm, the outer free end of the two arm is hinged with the X extension mechanism through the connecting rod, and the inner free end of the two arm is hinged through the elastic arm. The invention can adjust the position of the clamp arm according to the size of the mold, and is suitable for clamping different specifications of the mold, and is convenient and fast to use. The leveling mechanism can realize the self-adaptive balance of the X-direction expansion mechanism in the horizontal direction, avoid the problem of deflection in the process of lifting the mold, and realize the rapid disassembly of the lifting frame and the spinner.

Figure 1