

Title (en)

HIGH-SPEED INTELLIGENT NUMERICAL CONTROL HYDRAULIC CUTTING MACHINE

Title (de)

HOCHGESCHWINDIGKEITS-HYDRAULIKSCHNEIDEMASCHINE MIT INTELLIGENTER NUMERISCHER STEUERUNG

Title (fr)

MACHINE DE COUPE HYDRAULIQUE À COMMANDE NUMÉRIQUE INTELLIGENTE À GRANDE VITESSE

Publication

**EP 4201615 A1 20230628 (EN)**

Application

**EP 21942798 A 20211214**

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Abstract (en)

The present invention relates to a high-speed smart numerical control hydraulic cutting machine, which includes a die cutter fixing plate and a die cutter for cutting an object. A die cutter clamping and limiting device is disposed on the die cutter fixing plate to clamp the die cutter. The die cutter clamping and limiting device includes a clamping assembly and a limiting assembly which are mounted on the die cutter fixing plate of the cutting machine. The clamping assembly includes a left die pressing plate, a right die pressing plate, and pressing cylinders. The left die pressing plate and the right die pressing plate are disposed on the left and right side edges of a lower surface of the die cutter fixing plate respectively. The pressing cylinders are disposed inside the die cutter fixing plate and drive the left die pressing plate and the right die pressing plate respectively to press the die cutter closely against the lower surface of the die cutter fixing plate. The limiting assembly includes front limiting components and rear limiting components located at front and rear side surfaces of the die cutter fixing plate, where the front limiting components perform limiting for the front and rear side surfaces of the die cutter in linkage with the left die pressing plate or the right die pressing plate. The present invention improves the position repeatability and the positioning accuracy for changing die cutter.

IPC 8 full level

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