

ZHEJIANG JINAOLAN MACHINE TOOL CO., LTD

Automation Line Designer and Manufacturer

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Inclinable Power Press

Introduction to J23 open type inclinable press

The J23 series open type inclinable or tilting press uses a rigid turn-key clutch for easy maintenance. All presses are equipped with emergency braking device, and can make the slider emergency stop within the range of 0-135 degrees, and are also equipped with photoelectric protection devices. The press is suitable for various cold stamping processes such as punching, blanking, bending, forming, which is widely used in electronic components, instrumentation, electrical appliances, toys, automobiles, tractors and other industries.

J23 open tilting press is mainly composed of fuselage, brake, motor, flywheel, protective cover, anchor bolt, manipulator, crank slider mechanism and other components.

J23 open type tilting press structure principle

When the mechanical press is working, the large gear (usually also used as a flywheel) is driven by the motor through the V-belt and the crank slider mechanism works through the gear pair and the clutch, so that the slider and the punch die move downward. After the stamping work is completed, the slider returns upward, the clutch is automatically disengaged, and the automat on the crankshaft is turned on, so that the slider stops near the top dead point.

The load of the mechanical press is impact, ie the time to stamp the workpiece in one cycle is short. The maximum power of short term is more than ten times larger than the average power, so the flywheel is provided in the transmission system. After the motor selected by the average power is started, the flywheel is operated to the rated speed to accumulate kinetic energy. After the punch die contacts the blank, the driving power of the motor is less than the load, the rotation speed is reduced, and the flywheel releases the accumulated kinetic energy to compensate. After the stamping workpiece is completed, the flywheel accelerates the accumulated kinetic energy again for the next use.

J23 open type inclinable press use requirements

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Before use

(1) Stamping work force shall not exceed the nominal force of the press

(2) Lubricate the machine, and add lubrication to each lubrication point and friction surface no less than twice per shift.

(3) Thoroughly check the condition of visible parts and molds on the outside of the machine, make sure the condition of the machine parts is normal, the mold is installed correctly, and the mold is in good condition. Start the machine to test the rotation, further check the rotation status of the machine parts and the mold condition, confirm the operation system and machine are flexible, accurate and reliable.

During use

(1) Select single stroke and continuous stroke according to specific conditions

(2) The burrs and scraps on the working table should be removed at any time during work. It is forbidden to remove them directly by hand. If the workpiece get stuck on the mold, machine should be stopped to clear up.

(3) Immediately stop the machine when it encounters abnormal conditions, check it clearly, and then start the operation after fault elimination.