

DROP HAMMER CAP 1TON 2 TON



Drop hammer forging is a metal fabrication method employing two impression dies, one on a stationary anvil and the other attached to a moving ram. This method is called 'drop hammer forging' because drop hammers are the primary pieces of equipment used throughout the process. In drop hammer forging, the pre-heated metal billet is placed onto the lower die. The ram brings down the upper die, delivering a set number of blows to deform (shape) the hot metal. The number of blows needed will vary depending on the item that is being manufactured. Lastly, the "impression" or cavity of the dies used in the process contains the final shape of the forged product.

POWER PRESS NKH 2010 YRS 200TON



Power presses are metalworking machines used primarily to cut, punch, or form metal using tooling (dies) attached to the slide (ram) and bed. The slide has a controlled reciprocating motion toward and away from the bed surface and at right angles to it.

HYDROLIC PRESS NKH 2010 YRS 200TON



Hydraulic presses are used in forging, molding, punching, clinching and other operations. They can create intricate shapes while being economical with materials. They also take up less space compared to mechanical presses.

NKH 2010 YRS 200 TON



The pneumatic hammer, also called air hammer, power hammer, or air chisel, is a power tool that uses compressed air exclusively. The tool is used to carve, drill, or chip away at stone, metal, and other hard materials. Air hammers are used to cut through a surface, dig a hole, smoothen a surface, or shape one.



The Forging Screw Press (Up Stroke Press) is made of high quality alloy Steel and is heat treated to have great hardness at the same time great elasticity. Commonly used in hot forming (forging) and cold coining, stamping, embossing, sizing non-ferrous meta

Heat treatment furnance



Heat treating (or heat treatment) is a group of industrial, thermal and metalworking processes used to alter the physical, and sometimes chemical, properties of a material. The most common application is metallurgical. Heat treatments are also used in the manufacture of many other materials, such as glass.



An oil furnace works by burning fuel oil in a combustion chamber. The heat created from the combustion is transferred to air passing through the furnace's heat exchanger and then blown into your home. The fuel oil is stored in an outdoor tank and then pumped into the furnace.

Lathe machine



A lathe uses rotational force and a stationary cutting tool to shape a workpiece, which is typically made of metal or wood. Removing material from a workpiece is the lathe's primary function. As the piece rotates, the cutting tool is pressed against it. This can create threads, holes, faces, and other designs.

Drill machine



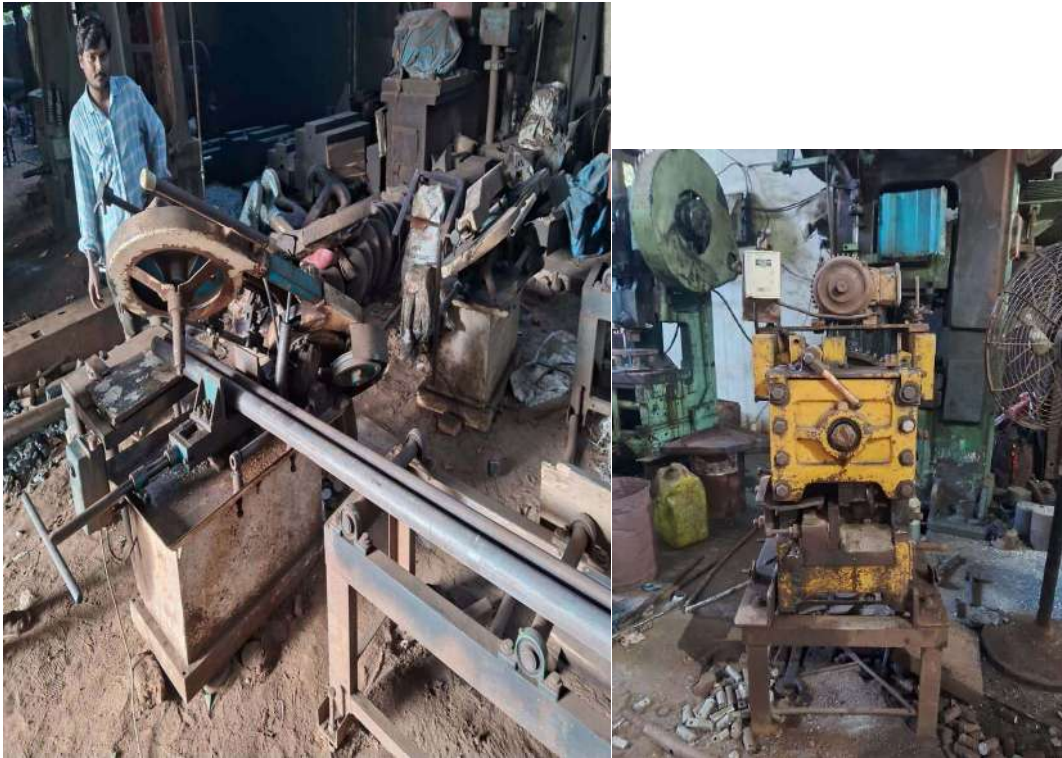
An industrial drilling machine is a tool used in manufacturing and construction industries for making holes in various materials such as metal, wood, and plastic. These machines are powered by electricity, hydraulics, or pneumatics and come in various sizes and configurations to suit different applications.

Bar bille sharing machine



bar shearing

Bar shearing—which is the same as bar shears—cuts metal with a shear rather than a torch, laser, or blade. It's also more efficient than using a laser, saw, or any other cutting method. Many manual bar shearing machines are excellent choices for sheet metal user



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WELDING MACHINE



Welding is a fabrication process that joins materials, usually metals or thermoplastics, by using high heat to melt the parts together and allowing them to cool, causing fusion. Welding is distinct from lower temperature techniques such as brazing and soldering, which do not melt the base metal (parent metal).

LOAD TEST MACHINE



load test on lifting equipment?

Load Testing involves applying a load to a structure, material, or piece of equipment to verify its strength. A proof load test is usually expressed as a percentage of the working load limit (WLL) or safe working load (SWL) that the equipment is designed to withstand.

SHOT BLASTING



Shot blasting is a surface treatment technique that makes use of particulate grains propelled under high velocity. This process is a highly effective solution for removing contamination on metal substrates or changing the coarseness or smoothness of a surface before coating.

EOT CRANE 5 TON



The EOT crane works by using electricity and it can be operated with the help of either the driver or the pendant (remote control). The crane is capable of lifting up to 500 tonnes with a span of 60 meters. The universal coupling mechanism is incorporated in these cranes to facilitate both installation and adjustment.

FORGING DYES & TOOLS



Closed-die forgings are also referred to as impression forgings since the forging dies partially enclose the workpiece material and restrict the flow of metal. Open-die forging is a process where a hot metal workpiece is squeezed or hammered between flat, circular, or v-shaped dies

Lathe machine



lathe machine used for

A lathe machine is a stationary cutting tool used primarily for **shaping wood and metal**, which are referred to as workpieces. The lathe machine removes unwanted parts of the workpiece to produce the desired product. The movements of a traditional lathe machine are manually controlled by an operator.



Forge pressing is the process of shaping a metal piece by applying pressure as it's placed between two dies. You do this with a forging press, which is a machine that slowly applies pressure until a piece gets manipulated into a new shape

Forging closed dies forging stock



raw material stock





Machining department

