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75mm HAND EXTRUDER

Claycore Pty Ltd

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The Venco Hand Extruder is designed to be extremely robust to ensure a long service life – even in classroom conditions. Being constructed entirely of stainless steel there is no risk of corrosion leading to clay contamination even when used with fine porcelains.

The extruder comes standard with a set of four dies.
Optional 8-piece die sets which include more intricate dies are available as are individual blank dies.

INSTALLING THE HAND EXTRUDER

- ⚠ **Ensure there are no electric cables or plumbing within the wall before drilling any holes.**
- ⚠ **Ensure extruder is located indoors.**

The Hand Extruder is designed to be wall mounted. It is recommended to mount the extruder in an area that has minimal foot traffic –such as in a corner etc.
To aid loading, it is advised to fix the extruder at a height of approximately 1.2 –1.5m (4-5ft) from the ground to the top of the barrel.

A solid concrete or masonry wall makes an ideal place to mount the extruder. For solid walls it is recommended to use expanding bolts such as Dynabolts 8mm x 50mm (5/16" x 2") long.
It is also possible to mount onto a timber-framed wall, provided an adequately strong timber beam can be located.
For this type of installation it is recommended to use coach screws 8mm x 50mm (5/16" x 2") long.

Once the location has been chosen, hold the barrel section of the extruder in the desired location (ensuring it is vertical) and using a pencil mark the four mounting holes. Drill the holes to suit the fasteners being used and mount the extruder.

NOTE: **It is important to solidly mount the extruder using all FOUR mounting holes. Failure to do so may damage the extruder or make operation dangerous.**

LOADING THE DIES

Remove the die cup from the bottom of the extruder barrel by twisting anti-clockwise.
Select a die and drop it into the die cup ensuring the die rests evenly on the lip in the base of the cup.

For best results it is advised to scrape any excess clay out of the die cup before loading a new die plate.
Install the die by firmly twisting the die cup onto the extruder barrel.

Note: The die cup has been designed to be a loose fit onto the Extruder barrel. This clearance aids installing and removing dies even if the clay has dried. The die cup will positively lock onto the barrel only when a die is installed.

MAKING CUSTOM DIES

Custom dies can be made from 6mm Plexi-glass (1/4”) or 10-12mm (3/8”-1/2”) plywood.
When making dies from plexiglass or plywood it is important to make them the correct diameter so that they can slide into the base of the extruder barrel-70mm (2.75”) diameter is ideal.
When loading these dies, insert them into the bottom of the barrel first and then secure with the die cup.

USING THE HAND EXTRUDER

Fit the appropriate die and then load the barrel with clay.
Experience will determine the correct clay consistency. If the clay is too stiff it will be difficult to extrude and if it’s too soft the extrusion may break or sag when used.
Start with the lever pivoting in one of the upper slots and ratchet down along the slots as required. If the plunger must be removed, simply push the lever in the upward direction to ‘break’ the suction.

Note: A light spray of CRC or WD 40 on the inside of the barrel and die cup will make extruding easier and help removal of the die cup.

THANK YOU FOR PURCHASING A VENCO HAND EXTRUDER