CENTRAL WORKSHOP

ASSIGNMENT

subject + Workshop practice

subject code! EWS-152

Koll 100 300104080 Branch + computer aciona and cogineering student signatures

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22 Explain various parts of dathe Machine with diagram?

Another bed . It is strong, rigid, heavy and has rectangular cross fection.

It works as the base of machine and all other parts are
filled over bed . It is made up of good quality cost from.

* dead forcem - It has high was remarked . It is made up of brass movement into sincer movement . It is made up of brass martly favore thread quad because it gives highest efficiency of power transmission.

Prime Mover > Motory are used as prime movery in machine took at they provide energy when power it supplied it stands notating at one particular rpm.

* (truidemant - They quide moving part in machine tool. They act as mediator for transmitting brus to bed of machine tool. They should have high wear resistence, high damping qualities I down distility.

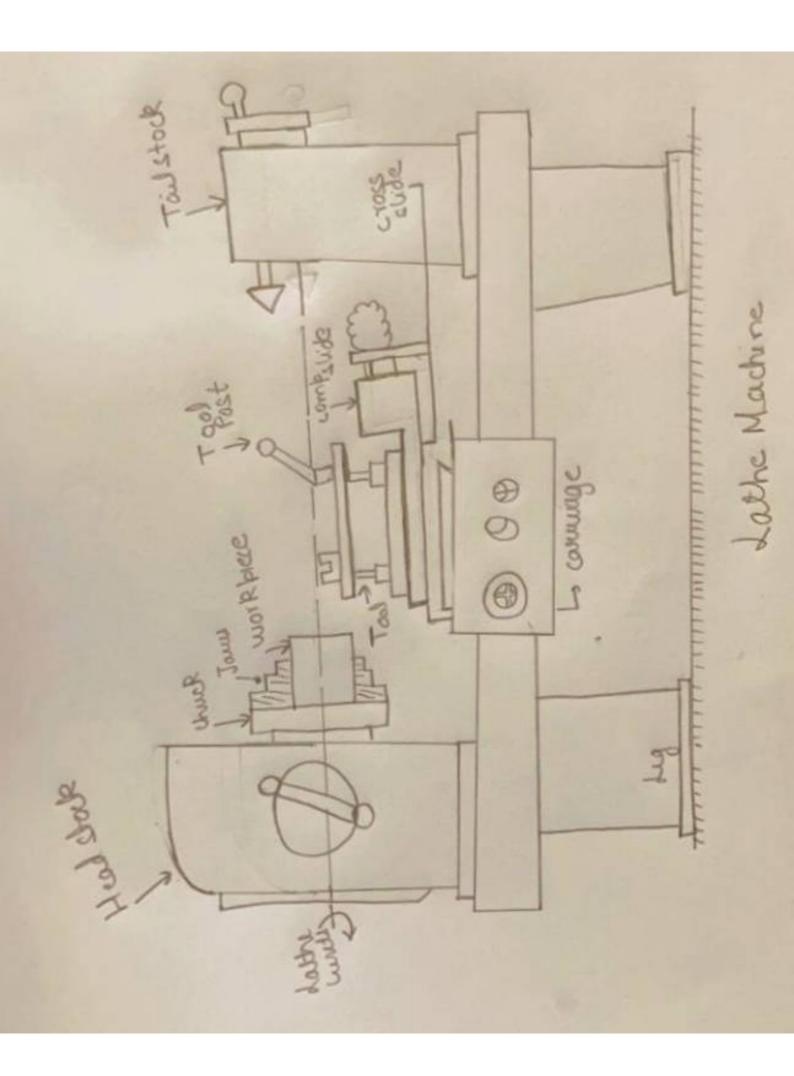
Transmission stylen - It is required to use mechanical transmission system between prime mover and spindle. Mast commonly used is belt drive with slepped pully.

* Head stock > 9t is fitted on the deft side over the bett . 9t consider -+ of spinds church, live cute, quick change, grax box, etc. The spindle recieve pourse with help of motor. Chuck can be rotated in anticlock.

- wise clockwise disaction at uniform speed. Creax box it used for

transmitting bower at diff speeds.

I thread charing Dial (TCD) + 9+ is used in thread cutting operation for reducing multiple etant of thread with multiple ude.



And took with diagram?

Ames ** *Carpenter's folding Rule + A wooden scale consisting of 4

pieces , each 150 mm hang , joined at hinges. Used for measuring and marking out dimensions.

** Try square -> 9t consists of afted blade fitted into medallic

*Try Equare - It consists of afted blade fitted into measuring and testing fock at right angle It is used for measuring and testing blane surjects, drawing when at sight angle and mustimes surjects, drawing where over a plane surject and to test favoriness of a adject surjectes.

scribers + A steel rod having short point one end; used for docating and marking points and sori bing

* Marking gauge + Consists of waden stum stock of rectang.
- war squar cross-section and a scribling pin. It is used
for scribling ding boralled to purshed face edge.

* Mortise gauge + 9t is improved form of the marking gauge with 2 scribling bing one pin

A split-nut + It is used for converting rotational movement

A Caverage + fitted in between head stock and trails tock It an stide on bed automatically or manually . 32 has five parts -

· cross-slide · Toal pard · Apron · compound slide · Saddle

* Tailstock - fitted on top right hand side, over the bed
gran be moved and fixed at required position.
by nut and bolt awangement.

* Quill -> for hocalized movement of Dear centre, Quill will

