



# Vertical drilling machine with numerical command for bars & profiles

Ref : CP25T

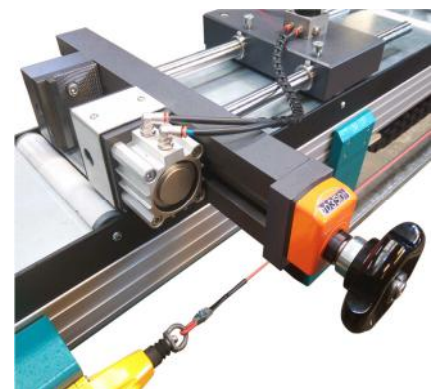
## DRILLING UNIT

- Drilling capacity on steel 60 kg: Ø 25mm.
- Cone: CM3
- Ø column: 100mm, Ø spindle: 80mm
- Spindle stroke: 125mm
- Motor : 1,5 HP
- Speed: 80 to 3000 rpm with an electronic speed controller. Speed display
- Spindle stroke by brushless servomotor Brushless: adjustable from 0,01 à 1 mm/turn – fast at 50 mm/min.
- Pneumatic clamp, maximum opening: 200 mm, maximum distance between rear jaw/ spindle axis: 100 mm.
- Adjustable back jaw by screw, wheel and mechanical digital display (position in Y).
- Conversational programming by entering requested values.
- Available functions :
  - Drilling
  - Tube drilling: rapid movement possible outside the cross hole
  - Drilling with deburring (return feed)
  - Drilling and tapping (optional)



## FEEDING BY NUMERICAL COMMAND (position in X)

- Carriage guidance by precision rollers on hardened and ground guides (63 HRC)
- Support table 200mm wide, made of extruded aluminium with rollers Ø40 mm, 200mm pitch. Safety metal sheets between rollers.
- Pneumatic clamp with adjustable opening: 0 to 200mm
- Close-loop servo control
- Automatic adjustment of the rack & pinion play
- Precision : ± 0,1 per meter
- Carriage stroke : 2000 to 8000 mm (standard)
- Adjustable carriage speed: 0 to 24m/min
- Pull wire emergency stop switch.
- Power supply: 230V mono
- 8" colour touch screen. Menus accessible at all time by tabs.



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- 100 Programs of 96 lines (equals to 16 pages of 6 lines).
- Absolute or relative measures in the same program.
- Adjustable parameters: origin - speed - ramps - tool thickness, etc...

Length	CP 25T Width: 200mm
2000mm	YES
3000mm	YES
4000mm	YES
5000mm	YES
6000mm	YES
6500mm	YES
7000mm	YES
8000mm	YES

## ACCESSORIES FOR DRILLING BENCH

- **POWER SUPPLY: THREE PHASE 400 V without earth** (*standard power supply: 230V mono*)
- **LIGHTING 24 V**
- **ETHERNET CONNECTION KIT** *with 3m cable + software*
- **LUBRIFICATION by pneumatic spraying "AIRLUB with tank"**
- **REMOTE CONTROL WIFI** : *the machine can be controlled remotely by using a mobile phone or an internet connection. For more information, please read the REMOTE CONTROL WIFI-OMRON file.*
- **HORIZONTAL ROLLER CONVEYOR at the machine exit** (*with metal sheets between rollers*): *installed with a link between conveyor to machine or an additional foot*
  - Rollers STEEL or PVC Ø40 x 3mm
  - Roller pitch: 333 mm
  - Load per meter : 60 KG

Length on table	Width: 200mm Rollers : Ø40x3mm Steel or PVC Load: 60kg/m	Width: 400mm Rollers : Ø40x3mm Steel or PVC Load : 60kg/m
2 000mm	YES	YES
3 000mm	YES	YES

### **WARNING:**

- *To comply with the current work & safety regulations, this production unit MUST be equipped of a roller conveyor with metal sheets between rollers when exiting the drilling machine; the conveyor length must be at equal length or longer than the feed table.*
- *Failure to comply with this measure, the company ROTY & Fils declines all responsibility in an event of an accident.*