



Vertical drilling machine with numerical command for bars & profiles

Ref : CP-25-T

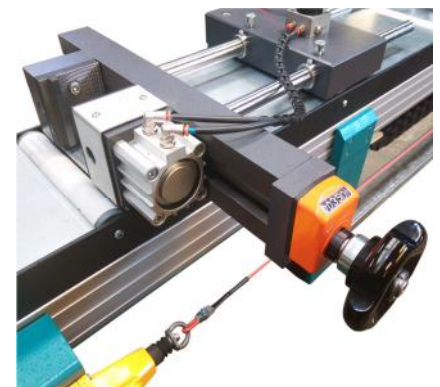
DRILLING UNIT

- Drilling capacity on steel 60 kg: Ø 25 mm - Cone: CM3
- Ø column: 100 mm, Ø spindle: 80 mm
- Spindle stroke: 125 mm
- Motor : 1,5 HP
- Speed: 80 to 3000 rpm with an electronic speed controller. Speed display
- Spindle stroke by brushless servomotor : adjustable from 0,01 à 1 mm/turn – fast at 50 mm/min.
- Pneumatic clamp, maximum opening: 200 mm, maximum distance 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
 - 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 200 mm wide, made of extruded aluminium with rollers Ø 40 mm, 200 mm pitch. Safety metal sheets between rollers.
- Pneumatic clamp with adjustable opening: 0 to 200 mm
- Close-loop servo control
- Automatic adjustment of the rack & pinion play
- Precision : ± 0,1mm per meter
- Carriage stroke : 2000 to 8000 mm (standard)
- Adjustable carriage speed: 0 to 24 m/min
- Pull wire emergency stop switch.
- Power supply: 230 V mono
- 8" colour touch screen. Menus accessible at all time by tabs.
- 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...



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Length	CP 25T Width: 200 mm
2000 mm	YES
3000 mm	YES
4000 mm	YES
5000 mm	YES
6000 mm	YES
6500 mm	YES
7000 mm	YES
8000 mm	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 3 m 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 Ø 40 x 3 mm
 - Roller pitch: 333 mm
 - Load per meter : 60 KG

Length on table	Width: 200 mm Rollers : Ø 40x3 mm Steel or PVC Load: 60 kg/m	Width: 400 mm Rollers : Ø 40x3 mm Steel or PVC Load : 60 kg/m
2000 mm	YES	YES
3000 mm	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.