



Semi-automatic drilling machine with numerical command for bars and profiles

Ref : CPM 22 – CPM 28

DRILLING UNIT

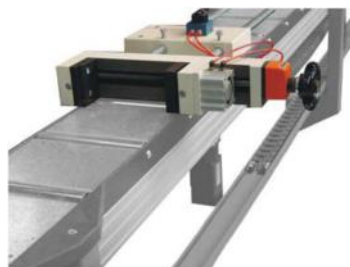
- Drilling capacity on steel 50 kg: Ø 22 or Ø 28 mm
- Cone: CM2 or CM3
- Ø column: 80 or 100 mm ; Ø spindle: 52 or 80 mm
- Spindle stroke: 120 or 125 mm
- Motor 1 HP or 1,5 HP, three phase 400V
- Speed: 100 to 4400 rpm or 80 to 3000 rpm with an electronic speed controller
- Manual spindle descent
- Pneumatic clamp, maximum opening: 200 mm, maximum distance between rear jaw/ spindle axis: 100 mm
- Adjustable back jaw by screw, wheel and mechanical digital display
- Resolution 0,1 mm



FEEDING BY NUMERICAL COMMAND

BASIC MODEL :

- Carriage guidance by precision rollers on hardened and ground guides (63 HRC)
- Operated by brushless servo-motor, automatic adjustment of the rack and pinion set.
- Close-loop servo control
- Roller width: 200mm
- Safety metal sheet between each roller.
- Frame in extruded aluminium
- Length: 2000 to 8000 mm
- Movement speed: 400 mm/s
- Resolution : 0,01 mm
- Precision : ± 0,1 mm per meter
- The removal is controllable from the console and on the terminal block
- Pneumatic clamp with adjustable opening: 0 to 200mm
- Cable emergency stop





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CHARACTERISTICS OF THE NUMERICAL COMMAND

- 5,7" 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...
- Integrated mini-controller available to the customer (4E/2S)

Length	CPM 22 Width: 200 mm	CPM 28 Width: 200 mm
2000 mm	YES	YES
3000 mm	YES	YES
4000 mm	YES	YES
5000 mm	YES	YES
6000 mm	YES	YES
6500 mm	YES	YES
7000 mm	YES	YES
8000 mm	YES	YES

ACCESSORIES FOR DRILLING BENCH

- **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.

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