



# Drilling machine with numerical command for long parts

Ref: CP 220/CP 420

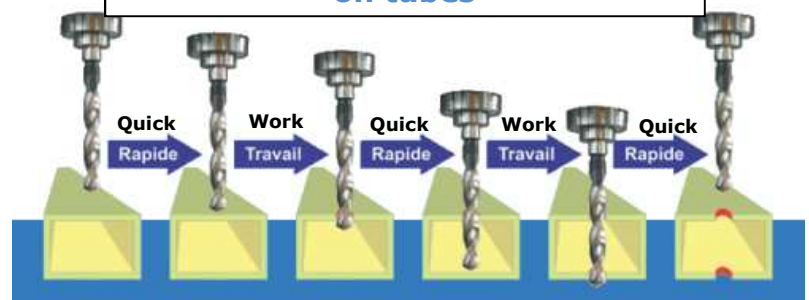
*The ideal machine for producing finished parts from solid feed bars. The following operations can be done: drilling - tapping - spotfacing - core drilling - milling - clipping - sawing.*

## EQUIPEMENT STANDARD

- Longitudinal length X : 1000 to 8 000 mm, speed : 24 m/mn
- Transversal length Y : 200 to 400 mm, speed : 6 m/mn
- Vertical length Z : 290 mm, speed: 6 m/mn
- Maximum drilling capacity:
  - steel : 25 mm
  - stainless steel: 20 mm
  - aluminium : 20mm
- Maximum aluminium tapping capacity: 14 mm
- 1 or 2 heads
- Drive motors : 5,5 kw
- Variable speed: 300 to 3000 rpm controlled by numerical control (NC)
- Drilling stroke: 150 mm (total: 290 mm)
- Passage under gantry: 150 mm
- Spindle nose HSK63 on each head with quick manual changing tool by ¼ turn
- Pneumatic clamp with opening: 200 to 400 mm
- Transversal length: 400 mm
- Pneumatic spray mist lubrication
- Metal chip recovery tank
- Full enclosure
- Welded and painted frame



### Optimisation of the drilling cycle on tubes



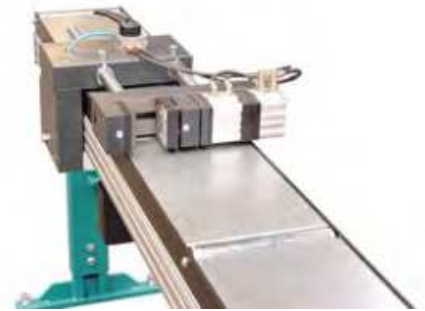


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## FEEDING BY NUMERICAL COMMAND

- Carriage guidance by precision rollers on hardened and ground guides (63 HRC)
- Table width: 200 or 400 mm in extruded aluminium, with rollers Ø40mm for 200 pitch
- Safety metal sheet between each rollers
- Automatic adjustment of the rack and pinion set.
- Movement speed adjustable: 0 to 24 m/min
- Length: 1000 mm to 8000 mm
- Pneumatic clamps with adjustable opening :0 to 200 mm or 0 to 400 mm  
*The clamp allows the stop to grab and move It automatically by pulling or pushing.*
- Possible adaptation of special vices.



## NUMERICAL COMMAND CHARACTERISTICS

- Automatic reference search
- Management of tool lengths
- Standard programming:
  - Absolute or relative movement
  - Absolute movement + machining
  - Relative movement + machining + repetition
  - Planned stop for tool change
- Program memory : 900 K characters
- Optimisation of hollow profile drilling
- Link with RS232