



Drilling machine with numerical command for long parts

Ref: CP 220/CP 420

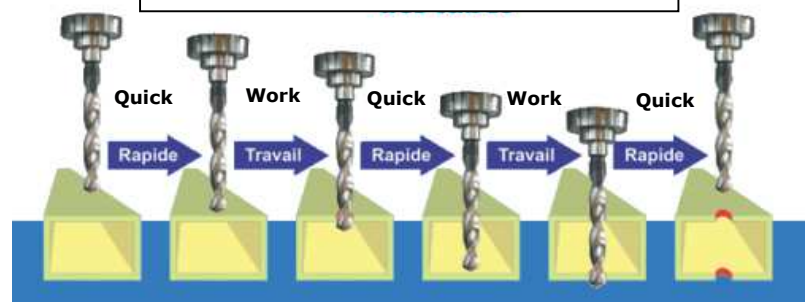
The ideal machine for producing finished parts from solid feed bars. The following operations can be done: drilling - tapping - spotfacing - core drilling - milling - clipping - sawing.

EQUIPEMENT STANDARD

- Longitudinal length X : 1000 to 8000 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 : 20 mm
- 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



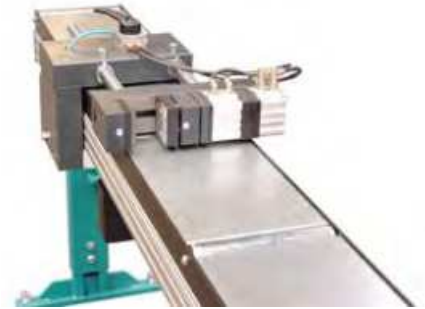


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FEEDING BY NUMERICAL COMMAND

- Carriage guidance by precision rollers on hardened and ground guides (63 HRC)
- Table width: 200 or 400 mm in extruded aluminium, with rollers \varnothing 40mm for 200 mm 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