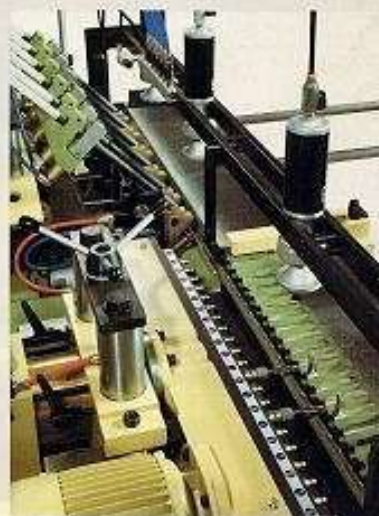


# NEW J20 F

*incollaspine a banco con foratrice*

□ BENCH DOWEL GLUEING MACHINE  
AND BORING MACHINE



# NEW J20

## DESCRIPTION

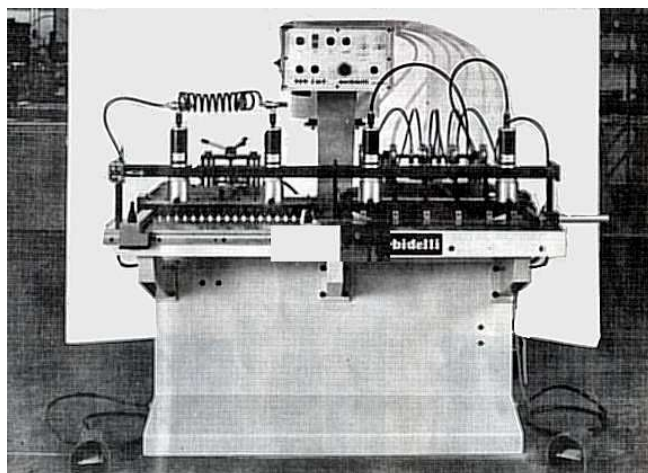
The machine bed that is fully made up of steel bears the dowel driving device assembly, including a thrust cylinder, 5 glue injectors with their relevant sprayers, a vibration hopper, as well as glue and water tanks. As a whole the dowel driving device assembly can be adjusted to the necessary height, hence the working table is fixed. The support of the workpiece is provided for by a frame consisting of two sliding guides of steel where the back stop and fence can slide and be fixed. During the dowelling process the workpiece is held down by two pneumatic cylinders. The sprayers are of the injection type with pressure tank and they are equipped with an electronic glue dosing system. The dowel feeding is effected by a 300 Watt vibrator with several channels for a total capacity of 250 dowels per minute. The machine can be preset for dowels of  $6 \pm 8$ ,  $8 \pm 10$ ,  $10 \pm 12$  mm in diameter and of 20 to 40 mm in length. Pneumatic operation controlled by one foot-pedal only.

## TECHNICAL DATA

Min. standard distance between dowel driving devices	32 mm
Max. distance between the 1st and the latest driving device	608 mm
Number of dowel driving devices	min. 1 up to a maximum of 6
Max. panel length	1000 mm standard — 3040 mm on demand
Operating pressure	7 atm.
Vibrator with electronic adjustment	300 Watt
Cycle time (excluding workpiece feeding)	abt. 2 seconds
Overall dimensions	1250x1180x1700 mm
Seaworthy packing dimensions	1400x1330x1850 mm
Total weight	480 Kg
Total packing weight	600 Kg
Wrench and tool kit	

## BORING MACHINE SPECIFICATIONS

Drilling head with 17 or 21 spindles	
Spindle revolution speed	3000 3.p.M.
Motor power	3 HP
Centerdistance between spindles	32 mm
Boring depth	70 mm
Drill bit chuck with rh and lh thread or Morbidelli quick release chuck	diam. 10 p. 1.5
Max. distance between outer spindles: 17 spindles	512 mm
21 spindles	640 mm





## MORBIDELLI DRILLING AND DOWEL DRIVING MACHINE

### NJ/20/F

The model NJ/20/F provides the user with a fast compact method of horizontal drilling, glueing, and inserting dowels into flat panels. The NJ/20/E is a perfect complement to semi-automatic or fully automatic equipment that will be used to only drill vertical holes.

A sturdy steel base with a fixed work table makes an accurate platform for the 21 spindle drill head and the five pneumatic dowel injectors from a vibration hopper attached to the main frame of the machine. All adjustments to the dowel insertion units are performed from easily accessible controls located on the front and side of the machine. Glue and water for clean-up are located in their own reservoirs. Set-ups are simplified by use of an individual scale on the drilling head and by sight location with knob adjustment for the dowel injectors.

#### TECHNICAL SPECIFICATIONS

Center distance between boring spindles:	32 mm (1-17/64")
Maximum boring depth:	70 (2-3/4")
Maximum distance between outer spindles:	640 mm (25-3/16")
Boring spindle speed:	3600 RPM
Motor size:	3 HP
Minimum distance between dowels:	32 mm (1-17/64")
Maximum distance between first and last dowels:	608 mm (23-15/16")
Maximum work piece length:	1000 mm (39-3/8")
Air pressure required:	7 ATM (100 PSI)
Electric vibration hopper	300 WATT
Cycle time (excluding loading time):	2 seconds, approx.
Electrics:	230/460V, 3 Ph, 60Cy