



CURVED ELEMENTS - CHAIRS

GANTRY 5A

The series Gantry has been completely revised in the structure and in the equipment in order to make it even more flexible and to increase even more its performance in the various processings. Outstanding note are the palletized tables which come completely out of the front protections in order to assure more safety during the machining and allow an easier manual or automatic loading of the workpieces.

In the configuration with 5 continuously interpolating axes, the machine is suitable for the processing of curved elements as chairs, furniture elements, thermoformed pieces and models. Different types of tables can be installed on the machine, included the double-function one, thanks to which it is possible to clamp the workpiece both pneumatically (pneumatic vices) and by means of vacuum. The modules move and position themselves automatically through an NC controlled system. Drilling heads with 22 independent spindles type point-to-point can be installed. To be highlighted is the high stability and sturdiness of the structure which allows to produce machines with 2 tables of 3000x3000 mm each without necessarily having the central support of the crossbeam holding the working heads.

TECHNICAL DATA

No. 6 controlled axes	X - 2Y - Z - B - C
Axis strokes in mm	X 3800 - 4800 - 5800 - 6800 Y 4100 - 5100 - 6100 - 7100 Z 700 - 1500 with horizontal spindle
Table dimensions mm	X 1500 - 2000 - 2500 - 3000 Y 1500 - 2000 - 2500 - 3000
Electrospindle power	kW 12-23 a 7000 giri/1'
Programmable tool r.p.m.	from 1000 to 18000-24000
Tool connections	HSK 63
Tool-change	automatic by means of 12-position rotating disk
Electrospindle cooling	by liquid
Electric cabinet cooling	by air-conditioner
Vacuum system	NON STOP cycle
Vacuum pumps	No. 2 of 250 m ³ /h each, dry
Axis travel speed	X - Y 62,5 m/min. Z 30 m/min.
B-axis rotation	450°
C-axis rotation	540°
Protections according to the EC norms	by cabin