

Family: CNC MACHINE CENTRES AND ROUTERS	Code: 004165
SubFamily: 5 Axis CNC Routers	
Brand: HOMAG	
Model: BMG 311 VENTURE 316L	



Type of work	Drilling Routing
X axis working area	4200 mm
Y axis working area	1550 mm
Working Table	Pod and Rail
Main Electrospindle power	10 KW
Number of controlled axes	5 axes
Total number of drilling spindles	16
Total number of tool changer positions	23
X axis work area	4200 mm
Y axis work area	1550 mm
X axis movement speed	35 m/min
Y axis movement speed	60 m/min

Z axis movement speed	25 m/min
No. working fields	2
Working table	yes
Working table	Pod and Rail
No. of Rails	6
Vacuum cups to secure piece being processed	yes
LED positioning device	yes
Vacuum pump	yes
No. pumps	2
Single capacity	100 m3/h
Boring units	1
	BORING UNITS 1 Unit : top Vertical Boring Spindles : 12 Horizontal Boring Spindles in X : 2 Horizontal Boring Spindles in Y : 2 Total number of vertical + horizontal spindles : 16
Router Spindles	1
	ROUTER SPINDLES 1 Unit : top No. controlled axes : 5 Automatic tool change : yes Liquid cooling system : yes Motor power : 10 kw r.p.m. : 24000 RPM
Grooving unit	1
	GROOVING UNIT 1 Unit : top Unit : with 0 / 90 degree positioning Max. tool diameter : 125 mm Motor power : 2.2 KW
Tool magazine	2

TOOL MAGAZINE 1

No. positions : 14

Tool : positioned at the rear of the machine

TOOL MAGAZINE 2

No. positions : 9

Tool : positioned at the side of the machine

Control system	POWERTOUCH
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Machine programming software	WOODWOP
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Safety standard CE mark	yes
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Protection structure for operating units with safety sensors	yes
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Protective mesh secured to the machine	yes
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