

Family: CNC WORKING CENTRE

Code:
004165

SubFamily: 5-Axis Machine Centre

Brand: HOMAG

Model: BMG 311 VENTURE 316L



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| Type of work | Drilling Routing |
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| Number of controlled axes | 5 axes |
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| Working Table | Pod and Rail |
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| Main Electrospindle power | 10 KW |
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| X axis working area | 4200 mm |
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| Y axis working area | 1550 mm |
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| Total number of drilling spindles (V+H) | 16 |
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| Total number of tool changer positions | 23 |
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| X axis work area | 4200 mm |
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| Y axis work area | 1550 mm |
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| Max. panel passage | 150 mm |
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| X axis movement speed | 35 m/min |
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| Y axis movement speed | 60 m/min |
| Z axis movement speed | 25 m/min |
| No. work areas | 2 |
| Work table | yes |
| Work table | bar with suction cup |
| No. bars with suction cup | 6 |
| Suction cups to secure piece being processed | yes |
| LED positioning device | yes |
| Vacuum pump | yes |
| No. pumps | 2 |
| Single capacity | 100 m3/h |
| Bore operator units | 1 |

BORE OPERATOR UNITS 1
 Unit : top
 Spindles for vertical boring : 12
 Spindles for horizontal boring in direction X : 2
 Spindles for horizontal boring in direction Y : 2
 Total number of vertical + horizontal spindles : 16

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| Router Spindles | 1 |
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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

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| Grooving unit | 1 |
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GROOVING UNIT 1
 Unit : top
 Unit : with 0 / 90 degree position
 Max. tool diameter : 125 mm
 Motor power : 2.2 KW

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| Tool magazine | 2 |
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TOOL MAGAZINE 1

No. positions : 14

Tool : positioned on the back of the machine

TOOL MAGAZINE 2

No. positions : 9

Tool : positioned on the side of the machine

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