

VP-2012 HSS

CNC Bridge Type High Speed Machining center





BRIDGE BRINGS PERFORMANCE

Machine Specifications

| ITEM | UNIT | VP- 2012 HSS | SP- 2016 HSS | SP- 3016 HSS |
|--|----------------------|---|---|---------------------|
| X travel (in & out) | mm(in) | 2000(78.7) | 2000(78.7) | 3000(118.0) |
| Y travel (left & right) | mm(in) | 1200(47.2) | 1600(62.9) | 1600 (62.9) |
| Z travel (up & down) | mm(in) | 760(30.0) | 760(30.0) | 7600(300) |
| Distance from spindle nose to table top | mm(in) | 160-920(6.3-36.2) | | |
| Distance between columns | mm(in) | 1300(51.2) | 1700(66.9) | 1700(60.9) |
| Table size (X direction) | mm(in) | 2000(78.7) | 2000(78.7) | 3000(118.0) |
| Table size (Y direction) | mm(in) | 1100(43.3) | 1500(59.1) | 1500 (59.1) |
| Table load capacity | kg(lb) | 2400(5300) | 3500(7700) | 4500 (9900) |
| Spindle motor (cont. / 30min.rating) | HP | 25 / 30 | | |
| Spindle speed | rpm | 100-15000 | | |
| Spindle taper | | BT#40(ISO 40) / DIN69871A (option) | | |
| Rapid traverse rate X, Y axis | mm(in) / min | 20000(787.4) | 20000(787.4) | 20000(787.4) |
| Rapid traverse rate Z axes | mm(in) / min | 15000(590.6) | 15000(590.6) | 15000(590.6) |
| Cutting feederate (max) | mm(in) / min | 1-10000(0.04-394.0) | | |
| Tool magazine capacity | Number | 16 | 19 | 19 |
| Max. tool diameter / adjacent pocket empty | mm(in) | 76/ 127(2.9/ 5.0) | 76/ 127(2.9/ 5.0) | 76/ 127(2.9/ 5.0) |
| Max. tool length (from gauge line) | mm(in) | 250(9.8) | 250(9.8) | 250(9.8) |
| Max. tool weight | kg(lb) | 7(5.4) | | |
| Positioning accuracy (JIS 6338) | mm(in) | JIS+ / -0.005/ 300 (+/-0.0003/ 12) | | |
| Positioning accuracy (VDI 3441) | mm(in) | P 0.025 (0.001) | | |
| Repeatability (JIS 6338) | mm(in) | JIS+ / -0.003(+/-0.0002) | | |
| Repeatability (VDI 3441) | mm(in) | Ps 0.020(0.0008) | | |
| Total required power | | 44 KVA / AC220V+ / - 10%, 3Phase, 60 HZ / 50HZ | | |
| Pneumatic pressure requirement | kg / cm ² | 6 | | |
| Lubrication oil tank capacity | liter(gallon) | 6(1.6) | | |
| Coolant tank capacity | liter(gallon) | 120(31.8) with 5HP | 240(63.6) with 5HP | 240(63.6) with 5HP |
| Axis guide-way X axis | | THK HSR 45LA 4SSC1 | THK HSR 55LA 3SSC1 | THK HSR 55LA 3SSC1 |
| Axis guide-way Y axis | | THK HSR 55HA 2SSC0 | THK HSR 65HA 2SSC0 | THK HSR 65HA 2SSC0 |
| Axis guide-way Z axis | | Schneeberger MRB45 | Harden Way | Harden Way |
| Machine length | mm(in) | 5600(220.0) | 7600(299.2) | 8600(338.6) |
| Machine width | mm(in) | 3400 (133.8) | 3800(149.6) | 3800 (149.6) |
| Machine height | mm(in) | 3550 (140.0) | 3550 (140.0) | 3550 (140.0) |
| Machine weight | kg(lb) | 16000 (35300) | 18500 (40700) | 27000(59400) |
| Standard Accessories | | 5. Coolant system with tank 6. Roof enclosure splash guard 7. Two screw type chip conveyor 8. Caterpillar type chip conveyor | 9. Spindle cooling system 10. ATA card, AI nano, RISC, HPCC 11. MPG handle wheel 12. Operation, maintenance manual | |



Taiwan Combitech Co., Ltd.
160 Huei-Chung Road Taichung 407 Taiwan

Tel: +886 4-2311 2413 Fax: +886 4-2311 2415
http://www.combitech.com.tw
e-mail: info@combitech.com.tw