

MCV 1210 / 1220 / 2310



These small precision gantry machines are designed for production of molds in the pressing, plastics, automotive and aeronautics industry with particular focus on machining of complicated shapes in 3D, with utilization of both three-axis and five-axis machining. In the field of conventional production, the machine is capable of milling, drilling, counterboring and reaming of holes, thread cutting and thread milling with highly productive machining times.

| | MCFV 1210 | MCFV 1220 | MCFV 2316 |
|---|----------------------|----------------------|----------------------|
| Axis information | | | |
| X axis travel | 40" | 40" | 78.7" |
| Y axis travel | 31.4" | 70.8" | 47" |
| Z axis travel | 23.6" | 23.6" | 31" |
| Table size | 47" x 40" | 47" x 78.7" | 90" x 63" |
| Rapid traverse rate | 1570 ipm | 1570 ipm | 1179 ipm |
| Feed rate | 750 ipm | 750 ipm | 787 ipm |
| Spindle information | | | |
| Spindle RPM | 14, 15,18,000 | 14, 15,18,000 | 10, 12,000 |
| Spindle taper | 40, HSK 63, 80 | 40, HSK 63, 80 | HSK 100 |
| Drive system | motor spindle | motor spindle | motor spindle |
| Spindle power | 41 - 59 hp | 41 - 59 hp | 61 hp |
| Spindle torque | 66 - 174 ft lbs | 66 - 174 ft lbs | 265 ft lbs |
| Tool changer | | | |
| Number of tools | 24 / 30 | 24 / 30 | 10 |
| Max. diameter all pockets full (24 tools) | 3.4" | 3.4" | |
| Max. diameter adjacent pockets empty(24 tools) | 6.3" | 6.3" | 4.3" |
| Max tool weight | 15 lbs | 15 lbs | 24 lbs |
| Tool to tool time | 3.5 sec | 3.5 sec | 9 sec |

| Accuracy | | | |
|-------------------|---------------|---------------|---------------|
| Positioning XYZ | * +/- 0.0002" | * +/- 0.0002" | * +/- 0.0002" |
| Repeatability XYZ | * +/- 0.0001 | * +/- 0.00015 | * +/- 0.00015 |
