

Product Specifications

WELE - MG Series

MG-x35

| Specification/ Machine model | Unit | MG-535 | MG-635 | MG-835 | MG-1035 |
|---|-------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| X axis travel | mm (in) | 5000 (196.9) | 6000 (236.2) | 8000 (315) | 10000 (393.7) |
| Y axis travel | mm (in) | 3500 (137.7) | | | |
| Z axis travel | mm (in) | 1000 (39.4) | | | |
| Table dimension (X direction) | mm (in) | 5000 (196.9) | 6000 (236.2) | 8000 (315) | 10000 (393.7) |
| Table dimension (Y direction) | mm (in) | 2800 (110.2) | | | |
| Table loading | kg (lb)/cm ² | 2500 (5512) | | | |
| Spindle motor power | kW (HP) | 22/26 (30/35) | | | |
| Spindle speed | rpm | 10-6000 | | | |
| Spindle taper | | BT#50 (ISO 50) | | | |
| Rapid feedrate - X axis | mm(in)/min | 10000 (393.7) | 20000 (787.4) | | |
| Rapid feedrate - Y axis | mm(in)/min | 15000 (590.5) | | | |
| Rapid feedrate - Z axis | mm(in)/min | 12000 (472.4) | | | |
| Cutting federate | mm(in)/min | 1-10000 (0.04-393.7) | | | |
| Capacity of tool magazine | pcs | 32 | | | |
| Max. diameter of tool / Adjacent pocket empty | mm (in) | 127/215 (5.0/8.5) | | | |
| Max. length of tool | mm (in) | 400 (15.7) | | | |
| Max. weight of tool | kg (lb) | 20 (44) | | | |
| Positioning accuracy (JIS 6338) | mm (in) | ±0.025(0.000984)/full travel | | | |
| Positioning accuracy (VDI/DGQ 3441) | mm (in) | P _s ≤0.025(0.000984) | P _s ≤0.030(0.001181) | P _s ≤0.035(0.001378) | P _s ≤0.045(0.001772) |
| Repeatability accuracy (JIS 6338) | mm (in) | ±0.010 (±0.0004) | | | |
| Repeatability accuracy (VDI/DGQ 3441) | mm (in) | P _s ≤0.020(0.000787) | P _s ≤0.025(0.000984) | P _s ≤0.028(0.001102) | P _s ≤0.032(0.00126) |
| Length of the machine | mm (in) | 10710 (421.7) | 12275 (483.3) | 14275 (562) | 16275 (640.7) |
| Width of the machine | mm (in) | 7060 (277.9) | | | |
| Height of the machine | mm (in) | 4200 (165.4) | | | |
| Weight of the machine | kg (lb) | 70000 (154323) | 82000 (180779) | 106000 (233689) | 130000 (286600) |