

| CAMSHAFT DATA | CLM1000 | CLM1500 |
|--|---|--|
| Maximum length | 1000.0 mm (39.4 in) | 1525.0 mm (60.0 in) |
| Minimum length | 100.0 mm (3.9 in) | 100.0 mm (3.9 in) |
| Maximum main journal clamp diameter | 63.5 mm (2.5 in) | 80.0 mm (3.1 in) |
| Maximum swing diameter | 245.0 mm (9.6 in) | 245.0 mm (9.6 in) |
| MACHINE DATA | | |
| Travel X-axis (slide transverse to cam) Travel Z-axis (slide parallel to cam) Travel W-axis (Tailstock) Travel C-axis (Work head) | 110 mm (4.4 in) – X 1100 mm (43.3 in) – Z N/A – W ±360° Infinite – C | 110 mm (4.4 in) – X 1600 mm (63.0 in) – Z 1590 mm (62.6 in) – W ±360° Infinite – C1, C2 |
| Rapid traverse rate: X, Z, W, C-axes | 6,000 mm/min (236 in/min) – X 12,000 mm/min (472 in/min) – Z N/A – W 0-23,760 °/min (0-66 rpm) – C | 6,000 mm/min (236 in/min) – X 12,000 mm/min (472 in/min) – Z 2,550 mm/min (100 in/min) – W 0-23,760 °/min (0-66 rpm) – C1, C2 |
| Cutting feed rate: X, Z, W, C-axes | 0-6,000 mm/min (236 in/min) – X 0-6,000 mm/min (236 in/min) – Z N/A – W 0-10,000 °/min (0-28 rpm) – C 0-6,000 mm/min - Interpolated | 0-6,000 mm/min (236 in/min) – X 0-6,000 mm/min (236 in/min) – Z 2,550 mm/min (100 in/min) – W 0-10,000 °/min (0-28 rpm) – C1, C2 0-6,000 mm/min - Interpolated |
| Position accuracy: X, Z, W, C-axes | 0.018 mm (0.0007 in) – X 0.018 mm (0.0007 in) – Z N/A – W 0.03° – C | 0.018 mm (0.0007 in) – X 0.022mm (0.0009 in) – Z 0.022mm (0.0009 in) – W 0.03° – C1, C2 |
| Position repeatability: X, Z, W, C-axes | 0.007 mm (0.00027 in) – X 0.007 mm (0.00027 in) – Z N/A – W 0.015° – C | 0.007 mm (0.00027 in) – X 0.009 mm (0.00035 in) – Z 0.009 mm (0.00035 in) – W 0.015° – C1, C2 |
| Cutting wheel rotation speed: S-axis | 0, 10-200 rpm | 0, 10-200 rpm |
| Cutting wheel tool adaption | ICMS Quick-change | ICMS Quick-change |
| Cutting wheel tool diameter | 400 mm (15.7 in) maximum | 450 mm (17.7 in) maximum |
| Cutting wheel maximum surface feed rate | 251 m/min (824 ft/min) | 283 m/min (928 ft/min) |
| Chip load | 0.08 - 0.30 mm (0.003 – 0.012 in) | 0.08 - 0.30 mm (0.003 – 0.012 in) |
| Feed per cutting wheel revolution | 400 mm wheel with 24 cutting inserts 1.9 – 7.2 mm/rev (0.07 – 0.28 in/rev) | 450 mm wheel with 27 cutting inserts 2.2 – 8.1 mm/rev (0.08 – 0.32 in/rev) |
| Tool change time | 10 min | 10 min |
| Way system and feed screw lubrication | Automatic oil central lubricator | Automatic oil central lubricator |
| Work head bearing lubrication | Grease packed for life with lip seals | Grease packed for life with lip seals |
| Approximate floor space L x W x H | 4945 x 2015 x 2163 mm (194.7 x 79.3 x 85.2 in) | 5445 x 2015 x 2163 mm (214.4 x 79.3 x 85.2 in) |
| Approximate machine weight | 7,800 kg (17,196 lbs.) | 8,300 kg (18,298 lbs.) |