

CL38

Dual Turret Performance



KINGSTON

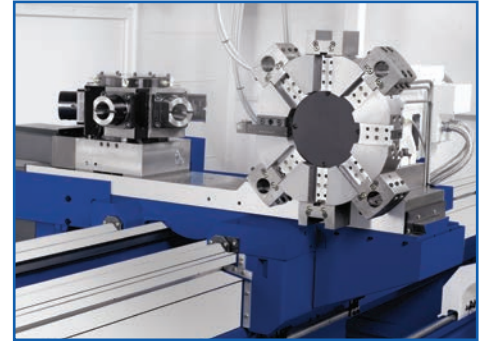
CL38

Dual Turret Performance

Kingston's versatile CL-38 model is designed for universal workpieces in a variety of industries including energy, mining, textile, paper, and transportation. The CL-38 features 26" swing, a choice of 4.7" or 7.3" bore, and lengths from 40"-160." It is equipped with a powerful 30 HP spindle motor, an "all-in-one" tailstock with hydraulic quill for quick repositioning, and both V8 and H6 servo turrets with a maximum cutting diameter of 14.5" between turrets. This flexibility and ease of use make the CL-38 one of our most popular CNC models.

Machine Highlights

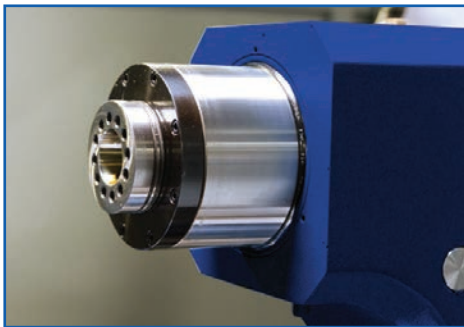
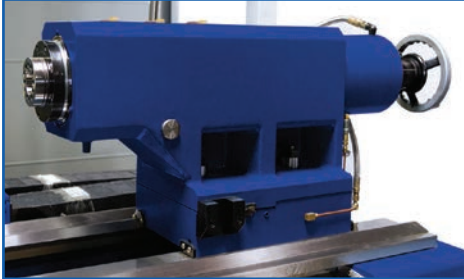
- 1 30 HP Spindle Motor
- 2 Spindle Bore: Choice of 4.7" or 7.3"
- 3 V8 Front & H6 Rear Servo Turrets



- 4 Fanuc OiTF Controller with Manual Guide i, 10.4" LCD Monitor



- 5 All-in-One Tailstock** with hydraulic rotating quill and built-in center, 7.9" travel



Standard Features

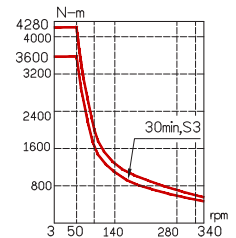
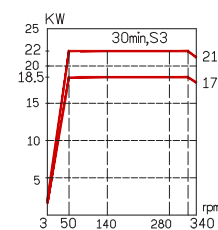
- Bore: 4.7" or 7.3"
- Swing: 26"
- C.C.: 40" – 160"
- 25 HP / 30 HP (30 min)
- V8 Front & H6 Rear Turrets
- 10" Steady Rest
- Hydraulic & Manual Quill Movement
- Rear Chuck Adaptor (7.3" Bore Only)
- Rear Chip Conveyor
- Fanuc OiTF Controller with Manual Guide i, 10.4" LCD Monitor

Optional Accessories

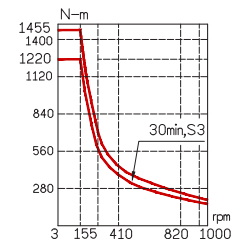
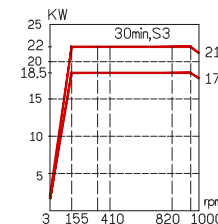
- Live Tooling Turret
- Mechanical Indexing Capability for Spindle (72 positions)
- Manual Follow Rest
- 15" Steady Rest
- Quick Change Tool Post

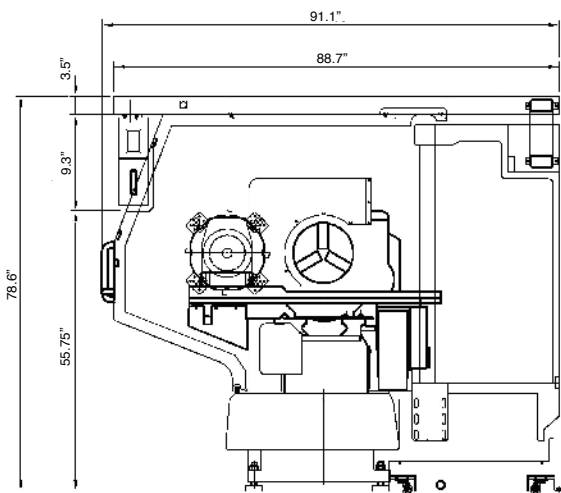
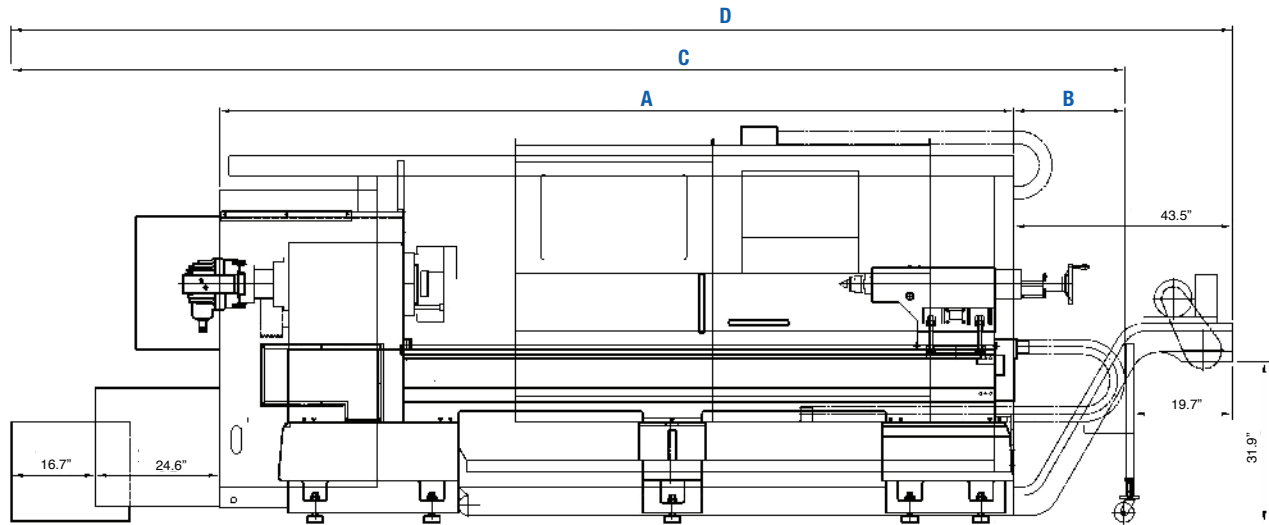
CL38c (7.3" Bore) Torque Charts

Low Gear



High Gear





| | A | B | C | D |
|-------------|------|-----|------|------|
| CL38 x 1000 | 120" | 15" | 176" | 204" |
| CL38 x 1500 | 138" | 15" | 196" | 223" |
| CL38 x 2000 | 158" | 22" | 221" | 243" |
| CL38 x 3000 | 197" | 19" | 258" | 282" |
| CL38 x 4000 | 245" | 22" | 308" | 330" |



Kingston Machine Tool

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| | CL38A | CL38C |
|-----------------------------------|--------------------------------------------|--------|
| Capacity | | |
| Swing Over Bed | 26" | |
| Max. Cutting Diameter (2 Turrets) | 14.5" | |
| Distance Between Centers | 40" / 60" / 80" / 120" / 160" | |
| Maximum Cutting Length | 37" / 56.6" / 76.3" / 120" / 160" | |
| Width of Bed | 18" | |
| Headstock | | |
| Spindle Bore | 4.7" | 7.3" |
| Spindle Motor | 25 HP / 30 HP (30min) | |
| Type of Spindle Nose | A2-11 | A2-15 |
| Gear Box | | |
| Number of Speed Ranges | 2 | |
| Spindle Speed (RPM) | 6-1600 | 3-1000 |
| Turret | V8 Hydraulic & H6 Servo | |
| Traverse | | |
| Max. Stroke X-Axis | 21.2" | |
| Max. Stroke Z-Axis | 37.4" / 57.1" / 76.8" / 126.8" / 164.2" | |
| Rapid Traverse X-Axis | 394 in/min | |
| Rapid Traverse Z-Axis | 394 in/min | |
| Motor | | |
| Servo Motor X-Axis | 3.6 HP | |
| Servo Motor Z-Axis | 5.4 HP | |
| Ball Screw | | |
| X-Axis | Ø1.41", P6 | |
| Z-Axis | Ø1.97", P8 (80") / P12 (120") / P16 (160") | |
| Tailstock | | |
| Tailstock Quill Center | M.T. # 5 | |
| Tailstock Quill Diameter | Ø5.9" | |
| Tailstock Quill Travel | 8.6" | |
| Machine Height | 79" | |
| Dimension | | |
| Floor Space (L x W) | W: 91" L: 210" / 228" / 243" / 273" / 329" | |
| Weight | | |
| Net Weight (lbs) | 14,080 / 14,960 / 16,280 / 18,480 / 22,220 | |
| Total Power Required | 35 KVA | |