**FLAT BED CNC Lathe**

**SN 20 22 SERIES SPECS**

| | **Model** | **unit** | **SN-20** | **SN-22** |
|---|---|---|---|---|
| **Capacity** | Center height | mm(inch) | 255(10.04") | 280(11.02") |
| | Distance between centers | mm(inch) | 1000(39"), 1500(59"), 2000(79"), 3000(118") | |
| | Swing over bed | mm(inch) | 510 (20.08") | 560 (22.05") |
| | Swing over gap | mm(inch) | 710 (27.95") | 760 (29.92") |
| | Swing over cross slide | mm(inch) | 290 (11") | 340 (13.39") |
| | Width of bed | mm(inch) | 350 (14") | |
| | Bed way | | 3 V way + 1 flat way | |
| | Cross slide width | mm(inch) | 220 (8.66") | |
| | Gap width | mm(inch) | *305 (12") | |
| **Headstock & main spindle** | Spindle bore / nose | mm(inch) | 85(3.4")A2-8 / *105 (4")A2-11 | |
| | Spindle tapper | | MT #7 | |
| | Spindle speed | rpm | 3.4" bore(30~2000) / *4"bore(30~1500)(auto 3 steps) | |

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|---|---|---|---|---|
| **Cross slide (X-axis) & Carriage (Z-axis)** | Cross slide travel (X-axis) | mm(inch) | 380 (15") | |
| | Longitudinal travel (Z-axis) | mm(inch) | 1000(39"), 1500(59"), 2000 (79"), 3000 (118") | |
| | AC servo motor (X-axis) | kw | 1 | |
| | AC servo motor (Z-axis) | kw | 1 | |
| | Dia of ball screw (X-axis) | mm | Φ25 x P5 x C3 | |
| | Dia of ball screw (Z-axis) | mm | Φ40 x P10 x C5 | |
| | Rapid traverse speed (X-axis) | mm/min | 6000 | |
| | Rapid traverse speed (Z-axis) | mm/min | 8000 | |
| **Tailstock** | Quill taper | | MT #5 | |
| | Quill diameter | mm(inch) | Φ75 (3") | |
| | Quill travel | mm(inch) | 160 (6") | |
| **Turret / toolpost** | Tool station | | *horizontal type 4T | *vertical type 8T / *vertical type 10T |
| | Size of external turning tool | mm | 20 | |
| **Motor** | Main spindle | kw | 11/*15 [*15hp (15hp inverter)] | |

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|---|---|---|---|---|---|---|
| | Headstock speed auto change x 1 | w | 25 | | | |
| | Lube system pump | w | 22 | | | |
| | Hydraulic oil pump | hp | 2 | | | |
| | Coolant pump | hp | 1/8(90 w) | | | |
| **Accuracy** | Positioning | mm | +0.01 / 300 | | | |
| | Repeatability | mm | +0.005 | | | |
| | Spindle run-out | mm | +0.01 | | | |
| **Tank Capacit** | Hydraulic tank | l | 60 | | | |
| | Coolant tank | l | 66 | | | |
| **Controller** | Controller | brand | Syntec / Simens / Fagor / Fanuc / Mitsubishi | | | |
| | Controllable | axis | 2 | | | |
| **Weight** | Net / Gross | kg(lb) | 2800(6160)/ 3000(6600) | 3100(6820)/ 3350(7370) | 3400(7480)/ 3700(8140) | 4000(8800)/ 4400(9680) |
| **Dimensions** | Floor space (full guard) L x W x H | mm(inch) | 2850x1650 x1950 (112"x65"x77") | 3350x1650 x1950 (132"x65"x77") | 3850x1650 x1950 (152"x65"x77") | 4850x1650 x1950 (191"x65"x77") |

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|---|---|---|---|---|---|---|
| | Packing Size (full guard) L x W x H | mm(inch) | 3100x 2200x2200 (122"x87"x87") | 3600x 2200x2200 (142"x87"x87") | 4100x 2200x2200 (161"x87"x87") | 5100x 2200x2200 (200"x87"x87") |

**Design and specs are subject to change without prior notice.**

**The asterisk(*) sign in the spec list indicates that the item is an optional choice.**