

SKT28 / SKT28L / SKT28LM



Gang Type CNC Turning Center

New Leader of Medium and Large Size
CNC Turning Center

- More Powerful For Higher Productivity
- Spindle Construction with 130mm (5.12") cylindrical roller and double angular contact ball bearing
- Rigid and reliable servo turret index
- High accuracy and high rigidity machine

| | | | SKT28 | SKT28L | SKT28LM |
|------------------------|---------|-------------|---------------------|---------------------|---------------------|
| Chuck Size | inch | | 10 | 10 | 10 |
| Swing over the bed | mm [in] | | 590 [23.2] | 590 [23.2] | 650 [25.6] |
| Maximum turning length | mm [in] | | 720 [28.4] | 1,070 [42.1] | 1,000 [39.4] |
| Bar capacity | mm [in] | | 76 [2.99] | 76 [2.99] | 76 [2.99] |
| Travel | X | mm [in] | 220 [8.7] | 220 [8.7] | 220 [8.7] |
| | Y | | - | - | - |
| | Z | | 750 [29.5] | 1100 [43.3] | 1020 [40.2] |
| | ZB | | - | - | - |
| Main spindle speed | rpm | | 3,000 | 3,000 | 3,500 |
| Rapid Traverse | X axis | m/min [ipm] | 20 [787] | 20 [787] | 20 [787] |
| | Y axis | | - | - | - |
| | Z axis | | 24 [945] | 24 [945] | 24 [945] |
| | ZB axis | | - | - | - |
| | C axis | | - | - | 100 |
| Power main | Main | kw [hp] | 22/18.5 [29.5/24.8] | 22/18.5 [29.5/24.8] | 22/18.5 [29.5/24.8] |

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**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

www.Hyundai-KiaMachine.com



SKT28 / SKT28L / SKT28LM

Specification

| ITEM | | | SKT28 | SKT28L | SKT28LM | |
|-------------------------------|----------------------------|----------------|----------------------------|----------------------------|------------------------------|---------------------|
| CHUCK | Standard size | inch | 10 | 10 | 10 | |
| | Optional size | | | | | |
| CAPACITY | Swing over the bed | mm [in] | 590 [23.2] | 590 [23.2] | 650 [25.6] | |
| | Swing over the cross slide | | 375 [14.8] | 375 [14.8] | 415 [16.3] | |
| | Maximum turning diameter | | Turning | 410 [16.1] | 410 [16.1] | 300 [11.8] |
| | | | Milling | - | - | 264 [10.4] |
| | Maximum turning length | | 720 [28.4] | 1,070 [42.1] | 1,000 [39.4] | |
| Bar capacity | 76 [2.99] | 76 [2.99] | 76 [2.99] | | | |
| TRAVEL | Axis | X | 220 [8.7] | 220 [8.7] | 220 [8.7] | |
| | | Y | - | - | - | |
| | | Z | 750 [29.5] | 1100 [43.3] | 1020 [40.2] | |
| | | ZB | - | - | - | |
| | | | - | - | - | |
| MAIN SPINDLE | Maximum spindle speed | rpm | 3,000 | 3,000 | 3,500 | |
| | Spindle nose | | A2-8 | A2-8 | A2-8 | |
| | Spindle bore | mm [in] | 95 [3.74] | 95 [3.74] | 95 [3.74] | |
| | Maximum spindle torque | kgf-m [ft-lbs] | 74.4 [538.1] | 74.4 [538.1] | 50.3 [363.8] | |
| | Speed drive | | BELT | BELT | BELT | |
| SUB SPINDLE | Chuck size | mm [in] | N/A | N/A | N/A | |
| | Maximum spindle speed | rpm | | | | |
| | Spindle nose | | | | | |
| | Spindle bore | mm [in] | | | | |
| | Bar capacity | mm [in] | | | | |
| | Maximum spindle torque | kgf-m [ft-lbs] | | | | |
| Speed drive | | | | | | |
| TOOL POST | Type | | NC Servo(B/H) | NC Servo(B/H) | NC servo(VDI) | |
| | Number of tool | EA | 10 | 10 | 12 | |
| | Tool Size | O.D | mm [in] | 25 [1.0] | 25 [1.0] | 25 [1.0] |
| | | I.D | mm [in] | 50 [2.0] | 50 [2.0] | 50 [2.0] |
| | Turret clamping force | kgf-m [ft-lbs] | 5,725 [12,621] | 5,725 [12,621] | 4,520 [9,965] | |
| Turret indexing time (1 face) | sec. | 0.3 | 0.3 | 0.3 | | |
| MILLING TOOL | Type | | N/A | N/A | VDI40 | |
| | Max. speed | rpm | | | 4,000 | |
| | Motor power | kw [hp] | | | 5.5/3.7 | |
| FEED | Rapid traverse rate | X axis | m/min [in] | 20 [787] | 20 [787] | 20 [787] |
| | | Y axis | - | - | - | |
| | | Z axis | 24 [945] | 24 [945] | 24 [945] | |
| | | ZB axis | - | - | - | |
| | | C axis | - | - | 100 | |
| TAIL STOCK | Type | | Tow along | Tow along | Tow along | |
| | Quill bore taper | - | MT#5 | MT#5 | MT#5 | |
| | Quill diameter | mm [in] | 100 [3.9] | 100 [3.9] | 100 [3.9] | |
| | Quill travel | mm [in] | 120 [4.7] | 120 [4.7] | 120 [4.7] | |
| | Tail stock travel | mm [in] | 570 [22.4] | 920 [36.2] | 920 [36.2] | |
| MOTOR | Spindle | Main | kw [hp] | 22/18.5 [29.5/24.8] | 22/18.5 [29.5/24.8] | 22/18.5 [29.5/24.8] |
| | | Sub | - | - | - | |
| | Feed | X/Z | 3.0/4.0 [4.0/5.4] | 3.0/4.0 [4.0/5.4] | 3.0/4.0 [4.0/5.4] | |
| | | Y/ZB | - | - | - | |
| Coolant | | | | | | |
| Bed slant | | deg. | 60° | 60° | 60° | |
| Slide way | | | Roller guide | Roller guide | Roller guide | |
| Power capacity | Fanuc | kVA | 25 | 25 | 30 | |
| | Siemens | | | | | |
| Floor space (LxW) | Fanuc | mm [in] | 3,010x1,812 [118.5 x 71.3] | 3,620x1,812 [142.5 x 71.3] | 3,670 x 1,812 [144.5 x 71.3] | |
| | Siemens | | | | | |
| Weight | | kgf [lbs] | 6,100 [13,448] | 7,900 [17,416] | 8,000 [17,637] | |
| Controller | STD | | FANUC 0iT | FANUC 0iT | FANUC 0iT | |
| | OPT | | FANUC 21iT | FANUC 21iT | FANUC 21iT | |

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