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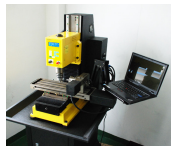

| Company | SyiL | SyiL | SyiL | Smithy | Littlemachineshop | Harbor freight | Tormach | Novakon | Company |
|---|---|---|---|---|---|---|---|---|---|
| **Model** | 2010 x5 Standard Linear | 2010 x5 Plus Linear | 2010 x5 Speedmaster | kx3 | kx3 | kx3 | p-770 | nm135 | **Model** |
| Price(USD) | 5700$ | 6900$ | 6199$ | 6940$ | 5495$ | 4995$ | 6200$ | 5495$ | Price(USD) |
| Table Size | 20.47" x 6.3" | 20.47" x 6.3" | 20.47" x 6.3" | 21.65" x 6.3" | 21.65" x 6.3" | 21.65" x 6.3" | 26" x 8" | 21.65" x 6.3" | Table Size |
| Travel(X,Y,Z) | 11.6" x 5.86" x 10.47" | 11.6" x 5.86" x 10.47" | 11.6" x 5.86" x 10.47" | 11" x 6.3" x 10" | 11.2" x 4.7" x 10.6" | 11.2" x 4.7" x 10.6" | 13" x 7.5" x 13.25" | 13.75" x 6.5" x 11" | Travel(X,Y,Z) |
| Slot Size | 3 T-Slots .47" | 3 T-Slots .47" | 3 T-Slots .47" | 3 T-Slots | 3 T-Slots | 3 T-Slots | 3 T-Slots | 3 T-Slots | Slot Size |
| Spindle Power | 1.48HP/1.1KW | 1.48HP/1.1KW | 0.89HP/0.75KW | 1.3HP | 1.3HP | 1.3HP | 1.5HP | 1.5HP | Spindle Power |
| Spindle Speed | 200-5000RPM | 200-5000RPM | 8000-24000RPM | 200-5000RPM | 200-5000RPM | 200-5000RPM | 170-10000RPM | 500-6000RPM | Spindle Speed |
| Spindle Type | R8/MT3/SK30 | R8/MT3/SK30 | N/A | R8 | R8 | R8 | R8 | R8 | Spindle Type |
| Spindle Feedback To Mach3 | Yes | Yes | Yes | No | No | No | No | No | Spindle Feedback To Mach3 |
| 4th Axis Ready | Intergrated | Intergrated | Intergrated | Not Available | Not Available | Not Available | Not Available | Optional | 4th Axis Ready |
| 5th Axis Ready | Intergrated | Intergrated | Intergrated | Not Available | Not Available | Not Available | Not Available | Optional | 5th Axis Ready |
| Stepper Motor Driver | SyiL Proprietary | SyiL Proprietary | SyiL Proprietary | Info Not Available | Info Not Available | Info Not Available | Info Not Available | Gecko | Stepper Motor Driver |
| Changeable Microstepping | Yes | Yes | Yes | Not Available | Not Available | Not Available | Yes | Yes | Changeable Microstepping |
| X Stepper Motor | NM34/324IN-OZ/4.5N.M | NM34/324IN-OZ/4.5N.M | NM34/324IN-OZ/4.5N.M | NM34 | NM34 | NM34 | Info Not Available | NM34 | X Stepper Motor |
| Y Stepper Motor | NM34/324IN-OZ/4.5N.M | NM34/324IN-OZ/4.5N.M | NM34/324IN-OZ/4.5N.M | NM34 | NM34 | NM34 | Info Not Available | NM34 | Y Stepper Motor |
| Z Stepper Motor | NM34/324IN-OZ/4.5N.M | NM34/324IN-OZ/4.5N.M | NM34/324IN-OZ/4.5N.M | NM34 | NM34 | NM34 | Info Not Available | NM34 | Z Stepper Motor |
| Ripid Travel | 200 IPM | 200 IPM | 200 IPM | Not Available | 79 IPM | Not Available | 130 IPM | 100 IPM | Ripid Travel |
| Manual Spindle Control | Yes | Yes | Yes | Not Available | Not Available | Not Available | Not Available | Not Available | Manual Spindle Control |
| RPM Display | Yes | Yes | Yes | Not Available | Not Available | Not Available | Not Available | Not Available | RPM Display |
| Digital Interface For Manual | Available | Yes | Available | Not Available | Not Available | Not Available | Not Available | Not Available | Digital Interface For Manual |
| Positional Accuracy | 0.00019" | 0.00019" | 0.00019" | 0.0004" | 0.0004" | 0.0004" | 0.0004" | 0.0004" | Positional Accuracy |
| Automatic Lubrication System | Included | Included | Included | Not Available | Not Available | Not Available | Optional | Not Available | Automatic Lubrication System |
| Machine Weight | 770lbs | 770lbs | 770lbs | 375lbs | 443lbs | 443lbs | 662lbs | 375lbs | Machine Weight |
| Dimensions(W*D*H) | 40.1" x 34.6" x 41.3" | 40.1" x 34.6" x 41.3" | 40.1" x 34.6" x 41.3" | 30.7" x 31.49" x 36.6" | 33.8" x 34.4" x 34" | 33.8" x 34.4" x 34" | 35" x 35.34" x 47" | 30.7" x 31.49" x 36.6" | Dimensions(W*D*H) |
| Ballscrews | Double nut p5 class | Double nut p5 class | Double nut p5 class | Not Listed | Not Listed | Not Listed | p4 class | Not Listed | Ballscrews |
| Voltage | 110v/220v/240v | 110v/220v/240v | 110v/220v/240v | 110v | 110v | 110v | 115v | 110v/220v | Voltage |
| Warranty | 1 Year | 1 Year | 1 Year | 1 Year | 1 Year | 1 Year | 6 Months | 1 Year | Warranty |
| Extended Warranty | Available | Available | Available | Not Available | Not Available | Not Available | Available | Not Available | Extended Warranty |
| Service Support | Phone/Email/SMS/24hrs | Phone/Email/SMS/24hrs | Phone/Email/SMS/24hrs | Not Listed | Not Listed | Not Listed | Phone/Email | Phone/Email | Service Support |
| CE/CCC/GS Certification | Yes | Yes | Yes | No | No | No | Yes | No | CE/CCC/GS Certification |
| Global Dealers | 46 | 46 | 46 | 1 | 1 | 1 | 1 | 1 | Global Dealers |
| Engineer Propriety Componets | Yes | Yes | Yes | No | No | No | Yes | No | Engineer Propriety Componets |
| Traning Available | Yes | Yes | Yes | No | No | No | Yes | No | Traning Available |
| Manufacture By | SyiL | SyiL | SyiL | Sieg | Sieg | Sieg | Tormach | Howmau | Manufacture By |
| **Available Options** | | | | | | | | | **Available Options** |
| SyiL Pneumatic Draw Bar System® | 1200$ | 1200$ | Not Available | Not Available | Not Available | Not Available | Not Available | Not Available | SyiL Pneumatic Draw Bar System® |
| Automatic Tool Changer | 2000$ | 2000$ | Not Available | Not Available | Not Available | Not Available | Not Available | Not Available | Automatic Tool Changer |
| 56000Rpm Air Spindle | 1000$ with linear Z | 1000$ with linear Z | 1000$ with linear Z | Not Available | Not Available | Not Available | Not Available | Not Available | 56000Rpm Air Spindle |
| Coolant System | 290$ | 290$ | 290$ | 199$ | Not Available | Not Available | Not listed | 279$ | Coolant System |
| Full Encloser | 1300$ | 1300$ | 1300$ | Not Available | Not Available | Not Available | Not Available | Not Available | Full Encloser |
| Computer arm | Included | Included | Included | Not Available | Not Available | Not Available | 295$ | Not Available | Computer arm |
| MPG Axis Control | Available | Included | Available | Not Available | Not Available | Not Available | Not Available | 199$ | MPG Axis Control |
| Linear Guideway Hiwin® | Included | Included | Included | Not Available | Not Available | Not Available | Not Available | Not Available | Linear Guideway Hiwin® |
| Stands And Coolant Tray | 399$ | 399$ | Included | 295$ | 295$ | 295$ | 1077$ | Included | Stands And Coolant Tray |
| 4th Axis Package | 799$ | 799$ | 799$ | Not Available | Not Available | Not Available | Not Available | 999$ | 4th Axis Package |
| Mach3 Software | Not Included | Not Included | Not Included | Not Included | Not Included | 170$ | 150$ | Included | Mach3 Software |
| Servo 3 Axis Package | Optional | Optional | Optional | Not Available | Not Available | Not Available | Not Available | Not Available | Servo 3 Axis Package |
| Siemens 802c System | Optional | Optional | Optional | Not Available | Not Available | Not Available | Not Available | Not Available | Siemens 802c System |
| **Model** | x5 Standard Linear | x5 Plus Linear | x5 Speedmaster | kx3 | kx3 | kx3 | p-770 | nm135 | **Model** |