



Flat Bed CNC Lathe

**CY-K510n**

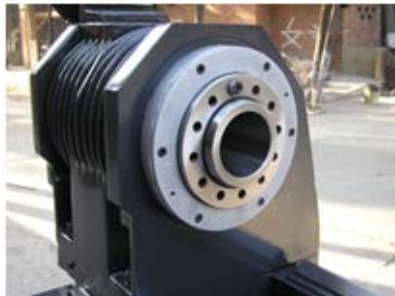


## Product Features:

- The specially designed Independent Spindle structure ensures the maximum heat dissipation and brings down the heat distortion.
- Unique design brings high precision, high rigidity and low noise performance in turning.
- Automatic 3-step gear box with inverter is standard spindle drive, while servo motor drive is optional.
- The optional Teach-In function of CY-K510n series makes the quick and simple setup, programming and easy to operate.



Electronic handwheels with Teach-In function is optional.



**Toptech Smac Machinery Limited**

Add: Unit 5, 5510 Ambler Dr, Mississauga, ON, L4W2V1, Canada

Email: [info@smacmachinery.com](mailto:info@smacmachinery.com), [songjingru@vip.163.com](mailto:songjingru@vip.163.com)

Hotline: 416 409 0666; 416 436 9039; 905 238 8912

# MAIN SPECIFICATIONS

Specifications / Model	CY-K510n			
Distance between centers	750mm	1000mm	1500mm	2000mm
Swing over bed		500mm		
Swing over cross side		290mm		
Width of bed		390mm		
Spindle nose & bore		A <sub>2</sub> -B Φ 82mm		
Spindle speed		35-190, 120-830, 480-2500rpm		
Max. travel X/Z axis	250/670mm	250/920mm	250/1420mm	250/1920mm
Rapid feed speed X/Z axis		8/12m/min		
Positioning accuracy X/Z axis	0.024/0.032mm	0.024/0.036mm		0.024/0.04mm
Repeatability X/Z axis	0.01/0.013mm	0.01/0.016mm		0.01/0.02mm
Tailstock quill diameter		75mm		
Tailstock quill max travel		150mm		
Tailstock quill taper		MT5		
Max. turning dia. for disc (V4)		500mm		
Max. turning dia. for disc (H6)		460mm		
Main motor		7.5kW		
Gross / Net weight (kg)	3100/2500	3400/2700	3800/3000	4400/3500
Package dimensions (mm)	2700x2100x2200	3200x2100x2200	3700x2100x2200	4200x2100x2200

## Standard Accessories

1. GSK980 controller
2. Automatic 3-step gear box with inverter
3. Φ250 manual 3-jaw chuck
4. Manual tailstock
5. Vertical 4-position electronic turret
6. Heat-exchanger
7. Full cover (2000mm is with 2-door half cover)

## Optional Accessories

1. Electronic handwheels with Teach-In function(only available with Fanuc, Fagor & Siemens)
2. Servo, motor drive
3. Φ250 hydraulic through/solid 3-jaw chuck
4. Hydraulic tailstock
5. Horizontal 6-position electronic turret
6. Air conditioner
7. Steady rest / Follow rest



### Toptech Smac Machinery Limited

Add: Unit 5, 5510 Ambler Dr, Mississauga, ON, L4W2V1, Canada

Email: [info@smacmachinery.com](mailto:info@smacmachinery.com), [songjingru@vip.163.com](mailto:songjingru@vip.163.com)

Hotline: 416 409 0666; 416 436 9039; 905 238 8912

# MAC CY-K630n

Flat Bed CNC Lathe

CNC Lathe



## Product Features:

- The specially designed Independent Spindle structure ensures the maximum heat dissipation and brings down the heat distortion.
- Single piece body (legs and bed ways) enhance the cutting rigidity.
- Automatic 3-step gear box with inverter is standard spindle drive, while servo motor drive as optional.
- The optional Teach-In function of this series makes the quick and simple setup, programming and easy to operate.



## Quality inspection



**Toptech Smac Machinery Limited**

Add: Unit 5, 5510 Ambler Dr, Mississauga, ON, L4W2V1, Canada

Email: [info@smacmachinery.com](mailto:info@smacmachinery.com), [songjingru@vip.163.com](mailto:songjingru@vip.163.com)

Hotline: 416 409 0666; 416 436 9039; 905 238 8912

# MAIN SPECIFICATIONS

Specifications		CY-K630n	CY-K630B	CY-K800n	CY-K800B
Distance between centers		1500,3000mm		1500,3000mm	
Swing over bed		630mm		800mm	
Swing over cross side		350mm		520mm	
Width of bed		600mm		600mm	
Spindle nose & bore		A <sub>2</sub> -11Φ 104mm	A <sub>2</sub> -11Φ130mm	A <sub>2</sub> -11Φ104mm	A <sub>2</sub> -11Φ130mm
Spindle speed		22-108,60-300,240-1200rpm			
Max. travel X/Z axis		420/1350,2850mm		420/1350,2850mm	
Rapid feed speed X/Z axis		4/8m/min		4/8m/min	
Positioning accuracy X/Z axis		0.03/0.04mm		0.03/0.04mm	
Repeatability X/Z axis		0.012/0.02,0.025mm		0.012/0.02,0.025mm	
Tailstock quill diameter		100mm		100mm	
Tailstock quill max travel		250mm		250mm	
Tailstock quill taper		MT5		MT5	
Max. turning dia. for disc (V4)		630mm		800mm	
Max. turning dia. for disc (H6)		590mm		760mm	
Max.load(kg)		1500(1500mm),2500(3000mm)		1500(1500mm),2500(3000mm)	
Main motor		11kW		15kW	
Gross / Net weight (kg)	1500mm	6000/5500		6100/5600	
	3000mm	7500/7000		7600/7100	
Package dimensions (mm)	1500mm	4304x2040x1855		4307x2040x1855	
	3000mm	5711x2040x1855		5711x2040x1855	

## Standard Accessories

1. Fanuc Oi-Mate-TD controller
2. Automatic 3-step gear box with inverter
3. Φ325 manual 3-jaw chuck
4. Manual tailstock
5. Vertical 4-position electronic turret
6. Heat-exchanger
7. Full cover for 1500mm, 2-door half cover for 3000mm

## Optional Accessories

1. Electronic handwheels with Teach-In function(only available with Fanuc, Fagor & Siemens)
2. Servo, motor drive
3. Φ250/Φ315 hydraulic through/solid 3-jaw chuck
4. Hydraulic tailstock
5. Horizontal 6-position electronic turret
6. Air conditioner
7. Steady rest / Follow rest



### Tiptech Smac Machinery Limited

Add: Unit 5, 5510 Ambler Dr, Mississauga, ON, L4W2V1, Canada

Email: [info@smacmachinery.com](mailto:info@smacmachinery.com), [songjingru@vip.163.com](mailto:songjingru@vip.163.com)

Hotline: 416 409 0666; 416 436 9039; 905 238 8912