

## CNC Automatic Carbide Sawing Machine High-Speed for non-ferrous metals

- Automatic for Metals
- Automatic for non-ferrous metals



**KTC-150NF**



**KTC-100NF**



Chip Suction Device

### SPECIFICATION

MODEL	KTC-100NF		KTC-150NF		KTC-200NFC	
Cut-off Capacity	Round bar ●	8-100 mm	0.314-3.937 in	40-153 mm	1.574-6.0 in	90-204 mm
	Square bar ■	8-80 mm	0.314-3.149 in	40-120 mm	1.574-4.724 in	80-175 mm
	Hexagon bar ●	8-80 mm	0.314-3.149 in	40-130 mm	1.574-5.118 in	80-175 mm
	Round bar ○			40-153 mm	1.574-6.0 in	
	Square bar □			40-120 mm	1.574-4.724 in	
	Hexagon bar ○			40-130 mm	1.574-5.118 in	
Saw Head & Spindle	TCT Carbide tipped sawblade type	Ø 355 x 2.0mm		Ø 480 x 2.7t mm		Ø 650 x 3.5 mm
	Sawblade rotation speed	1600-4000rpm/Variable speed via frequency inverter		1000-3200rpm/Variable speed via frequency inverter		1300-2535rpm/Variable speed via frequency inverter
	Diving motor of spindle	11 kw (15Hp) / 2p		15 kw (20Hp) / 4p		30 kw (40Hp) / 2p
	Diving motor of sawblade			4.87 kw AC Servo motor / C5 Precise grade Ball-Screw		
	Sawblade feeding	AC Servo motor (2kw) / Pivot-arm type		Slope type / AC Servo motor		AC Servo motor (2kw) / Linear Guided
	Main vise	One horizontal / One vertical / Hydraulic		One horizontal / One vertical / Hydraulic		One horizontal / One vertical / Hydraulic
Gripper Feed Carriage (GFC) Feeding System	GFC driving	AC Servo motor (1kw) / Precise grade Ball-Screw		2.14kw / 2kw AC Servo motor / C5 Precise grade Ball-Screw		AC Servo motor (3.5kw) / Precise grade Ball-Screw
	GFC vise	Horizontal / Hydraulic		Horizontal / Hydraulic		Horizontal / Hydraulic
	Initial crop length	8-200 mm	0.314-7.874 in	6-200 mm		6-200 mm
	Final rest piece length (Min)	55 mm	2.165 in	32 mm (min)		35 mm
	GFC feed stroke	(One) (Multiple)	4-800 mm 9999 mm	0.157-31.496 in 393.661 in	6-800 mm 9999 mm	6-450 mm 9999 mm
Auto-Loading Manazing Attachment	Capacity	2000-6000 mm	6.65-20 ft	2000-6000 mm		2000-6000 mm
	Pre-loading width	980 mm	38.582 in	1380 mm		2080 mm
	Pre-loading weght (at static load)	3600 kgs	7920 lbs			20000 kgs
	Supply track	Lift-up / Hydraulic		Lift-up / Hydraulic		Lift-up / Hydraulic
	Sq.(hex) bar skidding-aid device	Standard accessory		Standard accessory		Standard accessory
Hydraulic Devide	Pump motor	2.2kw (3Hp) / 4p		3.75kw (5Hp) / 4p		3.725kw (5Hp) / 4p
	Work driving pressure	70 kg / cm <sup>2</sup>	7 MPa	100 kg / cm <sup>2</sup>	10 MPa	
	Hydraulic oil tank	90 liters	23.78 gallons	100 liters	26.46 gallons	100 liters
Pneumatic Device	Work operating pressure	4-6 kg/cm <sup>2</sup>	55-85 psi	4-6 kg/cm <sup>2</sup>	55-85 psi	4-6 kg/cm <sup>2</sup>
Machine Dimension & Weight	Dimension (LxWxH)	6565 x 1772 x 1735 mm	21.54 x 5.81 x 5.69 ft	7280 x 2990 x 1908 mm		7280 x 3000 x 1910 mm
	Weight (machine/loader)	2200 / 700 kgs	4840 / 1540 lbs	4000 kgs	1210 kgs	4000kgs / 1500kgs
	Packing Weight (machine/loader)			4550 kgs	1660 kgs	
Devices & Accessories	Auto lubricating system	Self-timer / Forcible lubricating		Self-timer / Forcible lubricating		Self-timer / Forcible lubricating
	Auto separator	Cylinder driving/Pneumatic		Cylinder driving/Pneumatic		Cylinder driving/Pneumatic
	Chip deliverer	Suction type		0.2kw Belt type		Suction type
	Mist cooling & lubricating system	KTMist/Pneumatic intermitted dispensing		KTMist/Pneumatic intermitted dispensing		KTMist/Pneumatic intermitted dispensing
	Coolant pum device			0.19 kw / 2p / Cycle cooling		
	Working lamp	LED lamp / Water-dust-proof		Halogen lamp / Water-dust-proof		LED lamp / Water-dust-proof

# High-Speed Circular Sawing Machine for Alloy Steel metals

- Amazing Precise and High-speed cutting speed
- Mass production requirement
- Environment Dry & Clean at cutting



**KTC-130SP**



## SPECIFICATION

MODEL	KTC-130SP		KTC-150SP		KTC-200SP		KTC-230LC	
Cut-off Capacity	Round bar ●	20-100 / 300 mm 0.787-4.000 / 5.118 in	40-153 (1.574-6.000 in)	20-88 (0.787-3.464 in)	25-210 mm	90-230 mm	3.543-9.055 in	
	Square bar ■	20-75 / 105 mm 0.787-2.953 / 4.133 in	40-110 (1.574-4.330 in)	20-65 (0.787-2.559 in)	25-165 mm	90-195 mm	3.149-7.677 in	
	Hexagon bar ●	20-87 / 120 mm 0.787-3.425 / 4.724 in	40-130 (1.574-5.118 in)	20-76 (0.787-2.992 in)	25-180 mm	90-200 mm	3.149-7.874 in	
Saw Head & Spindle	TCT Carbide tipped sawblade type	Ø 360 x 2.6 / Ø 425 x 2.7 mm	Ø 460 x 2.7 mm	Ø 360 x 2.6 mm	Ø 650 x 3.8 x 3.2 x Ø 60 mm	Ø 750 / 4.0 x 3.4 x Ø 80 mm		
	HSS High-speed steel sawblade type	Ø 425 / 3.0t-5.0t mm	Ø 460 / 3.0t-5.0t mm	Ø 650 / 3.0t-5.0t mm	Ø 750 / 3.0t-5.0t mm			
	Sawblade rotation speed	20-160 rpm / Variable speed via frequency inverter	20-160rpm / Variable speed via frequency inverter	30-90rpm / Variable speed via frequency inverter	30-90rpm / Variable speed via frequency inverter			
	Driving motor of spindle	15kw (20Hp) / 4p	18.75kw (25Hp) / 4p	22.5kw (30Hp) / 4p	37.5kw (50Hp) / 4p			
	Cutting backlash compensation device	Powder brake	Powder brake	Powder brake	Podwer brake			
	Sawblade anti-vibration parallel guide	Tungsten carbide plate	Tungsten carbide plate	Tungsten carbide plate	Tungsten carbide plate			
	Chip scraper	Steel brush disc (Power type)	Steel brush disc (Power type)	Steel brush disc (with power)	Steel brush disc (Power type)			
	Sawblade feeding	AC Servo motor (5kw) / 30° Sloping type / Linear guideway	AC Servo motor (5kw) / 30° Sloping type / Linear guideway	AC Servo motor (7kw) / Linear guideway (Heavy type)	AC Servo motor (7kw) / Linear guideway			
	Main vise	One horizontal / One vertical / Hydraulic	One horizontal / One vertical / Hydraulic	One horizontal / One vertical / Hydraulic	One horizontal / One vertical / Hydraulic			
	Gripper Feed Carriage (GFC) Feeding System	GFC Driving	AC Servo motor (2kw) / Precise grade Ball-Screw	AC Servo motor (2kw) / Precise grade Ball-Screw	AC Servo motor (3.5kw) / C5 Precise grade Ball-Screw	AC Servo motor (3.5kw) / Precise grade Ball-Screw		
GFC Vise		Horizontal / Hydraulic	Horizontal / Hydraulic	Horizontal / Hydraulic	Horizontal / Hydraulic			
Initial crop length		8-200 mm 0.314-7.874 in	8-200 mm 0.314-7.874 in	6-200 mm 0.236-7.874 in	6-200 mm 0.236-7.874 in			
Final rest piece length (Min)		80 mm 3.149 in	80 mm 3.149 in	120 mm 4.724 in	50 mm 1.968 in			
GFC Feed stroke		(One) 6-800 mm 0.236-31.496 in (Multiple) 9999 mm 393.661 in	6-800 mm 0.236-31.496 in 9999 mm 393.661 in	6-450 mm 0.236-17.7 in 9999 mm 393.662 in	6-450 mm 0.236-17.716 in 9999 mm 393.661 in			
Auto-Loading Magazing Attachment	Capacity	2000-6000 mm 6.65-20 ft	2000-6000 mm 6.65-20 ft	2000-6000 mm 6.65-20 ft	2000-6000 mm 6.65-20 ft			
	Pre-loading width	1220 mm 48.031 in	1220 mm 48.031 in	2080 mm	3545 mm 139.500 in			
	Pre-loading weight (at static load)	9500 kgs 20900 lbs	9500 kgs 20900 lbs	20000 kgs	9500 kgs 20900 lbs			
	Supply track	Lift-up / Hydraulic / Anti-crash	Lift-up / Hydraulic / Anti-crash	Chain feed / Hydraulic left	Chain feed / Hydraulic left			
	Anti-rolling collision device	Standard accessory	Standard accessory	Standard accessory	Standard accessory			
Hydraulic Device	Pump motor	3.75kw (5Hp) / 4p	3.75kw (5Hp) / 4p	5.625kw (7.5Hp) / 4p	5.625kw (7.5Hp) / 4p			
	Work driving pressure	100 kg / cm <sup>2</sup> 10 MPa	100 kg / cm <sup>2</sup> 10 MPa	100 kg / cm <sup>2</sup> 10MPa	100 kg / cm <sup>2</sup> 10 MPa			
	Hydraulic oil tank	100 liters 26.46 gallons	100 liters 26.46 gallons	100 liters 26.46 gallons	100 liters 26.46 gallons			
Pneumatic Device	Work operating pressure	4-6 kg/cm <sup>2</sup> 55-85 psi	4-6 kg/cm <sup>2</sup> 55-85 psi	4-6 kg/cm <sup>2</sup> 55-85 psi	4-6 kg/cm <sup>2</sup> 55-85 psi			
Machine Dimension & Weight	Dimension (L x W x H)	7280 x 2990 x 1908 mm 23.88 x 9.81 x 6.26 ft	7280 x 2990 x 1908 mm 23.88 x 9.81 x 6.26 ft	7280 x 2990 x 1908 mm	8181 x 4202 x 2086 mm 26.84 x 13.78 x 6.84 ft			
	Weight (machine / loader)	4300 / 1250 kgs 9460 / 2750 lbs	4500 / 1250 kgs 9900 / 2750 lbs	4504 / 1210 kgs	6665/6050 kgs 14660/13310 lbs			
Devices & Accessories	Auto lubricating system	Self-timer / Forcible lubricating	Self-timer / Forcible lubricating	Self-timer / Forcible lubricating	Self-timer / Forcible lubricating			
	Auto separator	Cylinder driving / Pneumatic	Cylinder driving / Pneumatic	Cylinder driving / Pneumatic	Cylinder driving / Pneumatic			
	Chip conveyor	0.2kw / Belt type	0.2kw / Belt type	0.2kw / Belt type	0.2kw / Belt type			
	Mist cooling & lubricating system	KTMist / Pneumatic intermitted dispensing	KTMist / Pneumatic intermitted dispensing	KTMist / Pneumatic intermitted dispensing	KTMist / Pneumatic intermitted dispensing			
	Coolant pump device	0.19kw / 2p / Circulating cooling	0.19kw / 2p / Circulating cooling	0.19kw / 2p / Circulating cooling	0.19kw / 2p / Circulating cooling			
	Working lamp	LED lamp / Water-dust-proof	LED lamp / Water-dust-proof	LED lamp / Water-dust-proof	LED lamp / Water-dust-proof			