



ALFA

AUTOMATIC CIRCULAR SAW MACHINES

Precision



Power



Persistence



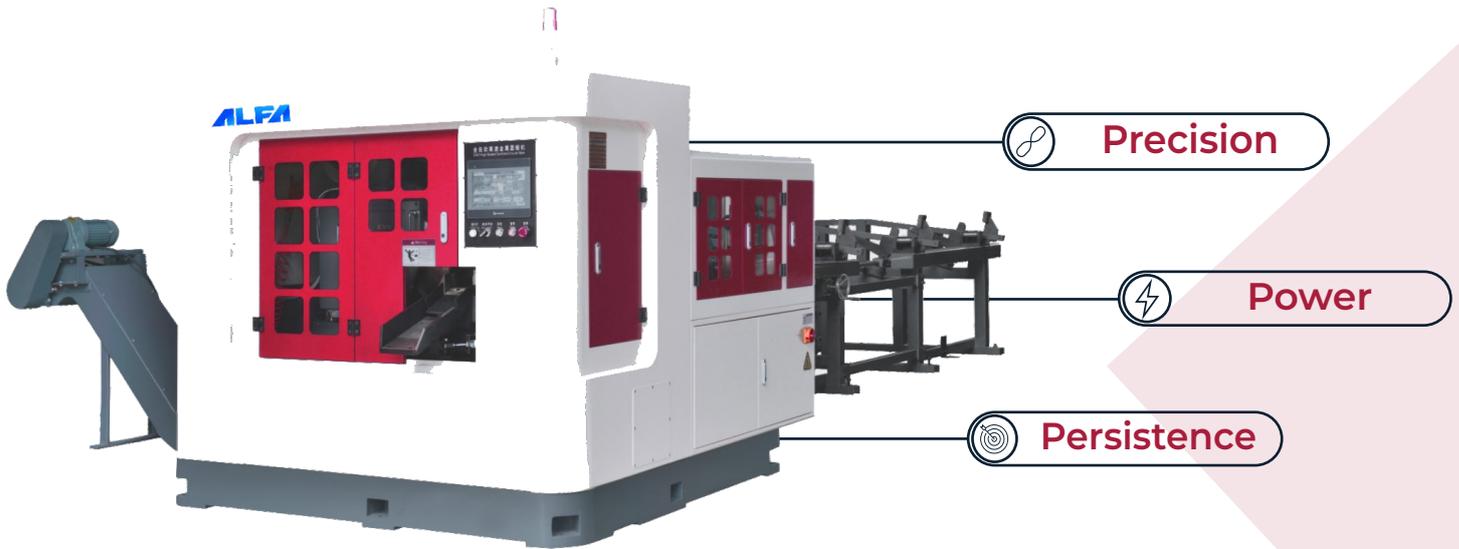
ALFA



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FEATURES

- High rigidity body structure
- Long blade life span
- Human interface, touch screen operation
- With manual, semi-auto, automatic operation mode
- Perfect deflection feeding mode
- Triangle clamping design
- Innovative gear box design, enable gear drive in zero clearance
- Magnetic clutch cuts vibration and backlash
- AC servo motor with ball screw ensures stable, accurate cuts.
- Auto loading, cutting, & waste removal reduce labor by 80%.
- Efficient, accurate, stable, safe — runs 24/7

Optional Device

- Oil mist collector
- Hydraulic station with heating function
- Auto bundle loading table and Auto discharge table
- Manipulator production line
- Scrap sucking device when cutting pipe
- Angular steel slide assistance device

Standard Device

- HMI System
- PLC control
- Triangular Clamping System
- Floating feeding system
- Oil mist cooling system
- Magnetic powder clutch
- Auto loading table

Model / Specification		C 50C	C 80C	C 100C	C 120C	C 150C
Cutting Capacity	Round	10-50 mm	10-80mm	20-100mm	30-120mm	40-150mm
	Square	10-40 mm	10-65mm	20-80mm	30-100mm	40-120mm
TCT Saw Blade	Blade size	Ø250×2.0T	Ø315×2.3T	Ø360×2.6T	Ø425×2.7T	Ø460×2.7T
	Chip clean	Steel brush	Steel brush	Steel brush	Steel brush	Steel brush
Motor Power	Spindle motor	5.5 kw/4P	7.5 kw/6P	11 kw/4P	15 kw/6P	15 kw/6P
	Hydraulic motor	2.2 kw	2.2 kw	2.2 kw	3.75 kw	3.75 kw
	Cutting servo motor	1.5 kw	2.0 kw	2.0 kw	3.5 kw	3.5 kw
	Feeding servo motor	1.0 kw	1.0 kw	1.0 kw	2.0 kw	2.0 kw
Hydraulic	Fuel tank volume	70 L	90 L	90 L	110 L	110 L
Feeding & Clamping	Single feeding length	5~800 mm	5~800 mm	5~800 mm	5~800 mm	5~800 mm
	Tailing length	65~65+a cutting length	65~65+a cutting length	70~70+a cutting length	80~80+a cutting length	100~100+a cutting length
	Feeding drive mode	AC servo motor+ ball screw+ linear guide				
	Size	674×165×150 cm	720×185×173 cm	720×200×180 cm	760×300×185 cm	760×310×192 cm
	Weight	2210 kg	2840 kg	3210 kg	5950 kg	6380 kg



Precision

Power

Persistence

FEATURES

- Strong and rigidity casting structure
- Long blade life span
- Heavy servo motor to enable fast cutting and hard material cutting
- Human interface, touch screen operation
- With manual, semi-auto, automatic operation mode
- Perfect deflection feeding mode
- Triangle clamping design
- Innovative gear box design, enable gear drive in zero clearance
- Magnetic clutch cuts vibration and backlash
- AC servo motor with ball screw ensures stable, accurate cuts.
- Auto loading, cutting, & waste removal reduce labor by 80%.

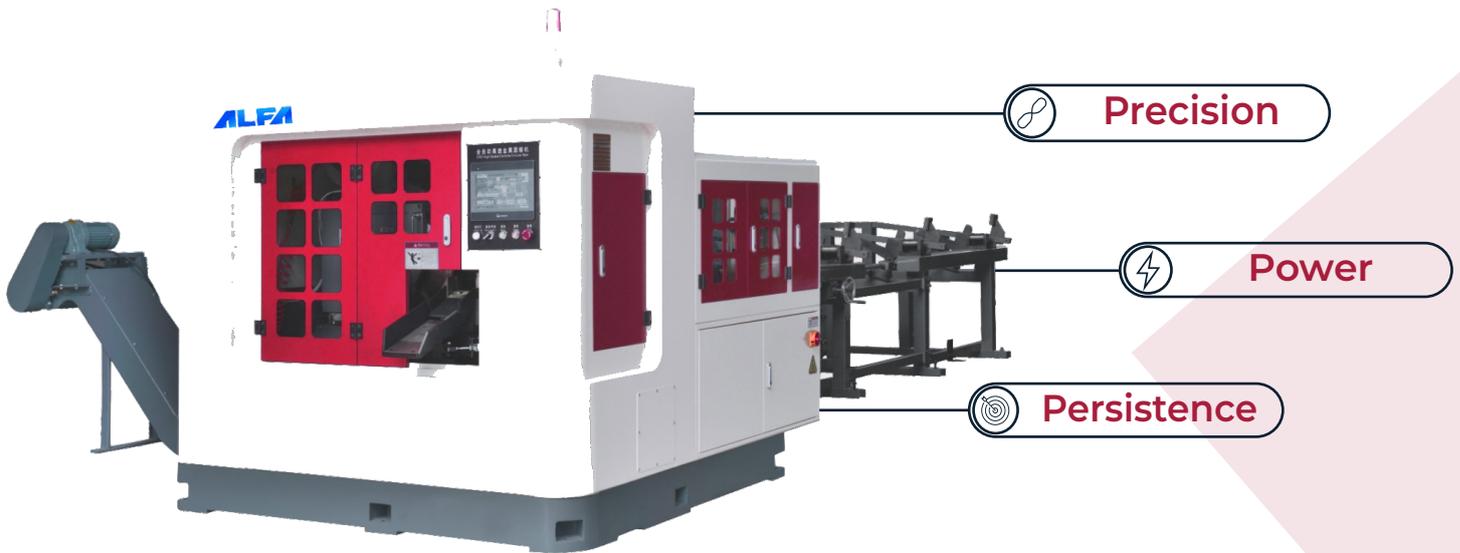
Optional Device

- Oil mist collector
- Hydraulic station with heating function
- Auto bundle loading table and Auto discharge table
- Manipulator production line
- Scrap sucking device when cutting pipe
- Angular steel slide assistance device

Standard Device

- HMI System
- PLC control
- Triangular Clamping System
- Floating feeding system
- Oil mist cooling system
- Magnetic powder clutch
- Auto loading table

Model / Specification		B 90C	B 120C	B 150C	B 200C	B 260C	B 300C
Cutting Capacity	Round	20-90 mm	30-120mm	40-150mm	70-200 mm	120-260mm	170-300 mm
	Square	20-70 mm	30-100mm	40-120mm	70-160 mm	120-195mm	170-220 mm
TCT Saw Blade	Blade size	Φ315×2.3T	Φ425×2.7T	Φ460×2.7T	Φ630×3.4T	Φ860×4.2T	Φ960×4.2T
	Chip clean	Steel brush	Steel brush	Steel brush	Steel brush	Steel brush	Steel brush
Motor Power	Spindle motor	7.5 kw/6P	15 kw/6P	15 kw/6P	22 kw/4P	37kw/6P	45 kw/6P
	Hydraulic motor	2.2 kw	3.75 kw	3.75 kw	5.5 kw	5.5 kw	5.5 kw
	Cutting servo motor	2.0 kw	3.5 kw	3.5 kw	5.0 kw	7.5 kw	7.5 kw
	Feeding servo motor	1.0 kw	2.0 kw	2.0 kw	2.5 kw	3.5kw	3.5kw
Hydraulic	Fuel tank volume	90 L	110 L	110 L	150 L	220 L	220 L
Feeding & Clamping	Single feeding length	5~800 mm	10~800 mm	10~800 mm	10~800 mm	10~800 mm	10~800 mm
	Tailing length	70~70+a cutting length	80~80+a cutting length	100~100+a cutting length	120~120+a cutting length	165~165+a cutting length	180~180+a cutting length
	Feeding drive mode	AC servo motor+ ball screw+ linear guide					
Size & Weight	Size	705×285×185 cm	720×300×190 cm	730×310×200 cm	780×350×230 cm	835×396×243 cm	854×463×252 cm
	Weight	5200 kg	6000 kg	6700 kg	8500 kg	14600 kg	15300 kg



FEATURES

- Strong and rigidity casting structure
- Long blade life span
- Faster speed and shorter tails (min 20mm)
- Human interface, touch screen operation
- With manual, semi-auto, automatic operation mode
- Perfect deflection feeding mode
- Triangle clamping design
- Innovative gear box design, enable gear drive in zero clearance
- Magnetic clutch cuts vibration and backlash
- AC servo motor with ball screw ensures stable, accurate cuts.
- Auto loading, cutting, & waste removal reduce labor by 80%.
- Efficient, accurate, stable, safe — runs 24/7

Optional Device

- Oil mist collector
- Hydraulic station with heating function
- Auto bundle loading table and Auto discharge table
- Manipulator production line
- Scrap sucking device when cutting pipe
- Angular steel slide assistance device

Standard Device

- HMI System
- PLC control
- Triangular Clamping System
- Floating feeding system
- Oil mist cooling system
- Magnetic powder clutch
- Auto loading table

Model / Specification		A 70C	A 100C	A 150C
Cutting Capacity	Round	10-70 mm	20-100 mm	40-150 mm
	Square	10-55 mm	20-80 mm	40-120 mm
TCT Saw Blade	Blade size	Φ285×2.0T	Φ360×2.6T	Φ460×2.7T
	Chip clean	Steel brush	Steel brush	Steel brush
Motor Power	Spindle motor	7.5 kw/4P	11 kw/6P	15 kw/6P
	Hydraulic motor	2.2 kw	2.2 kw	3.75 kw
	Cutting servo motor	2.0 kw	2.0 kw	3.5 kw
	Feeding servo motor	1.0 kw	1.0 kw	2.0 kw
Hydraulic	Fuel tank volume	90 L	90 L	110 L
Feeding & Clamping	Single feeding length	5~800 mm	5~800 mm	10~800 mm
	Tailing length	20~20+a cutting length	20~20+a cutting length	20~20+a cutting length
	Feeding drive mode	AC servo motor+ ball screw+ linear guide		
Size & Weight	Size	687×270×175 cm	705×285×185 cm	730×310×200 cm
	Weight	4200 kg	5200 kg	6700 kg