

KALAMAZOO MACHINE TOOL

CIRCULAR SAWING MACHINES



Kalamazoo
Machine Tool
Manual
And
Semi-Automatic
Models

Catalog C2007



Kalamazoo
Machine Tool

10 Great Reasons for Buying a Circular Saw

Price - Economical purchase price

Simple Operation - Uncomplicated and very easy to understand and use

Maintenance - Proper maintenance is simple, and very little required

Size - Compact and take up very little room in your shop

Cost Per Cut - Saw blades can be resharpened and retooled

Finish - High quality surface finish with burr free cuts

Squareness of Cut - Saw blade is a very rigid tool holding very accurate squareness tolerances

Time of Cut - Circular saw cutting times are very fast

Miters and Angles - Easy and accurate with minimum set up time

Versatility - The above listed characteristics make this machine the most versatile in your shop



Examples of cut materials



Double Vise Assembly - Provides holding power on both sides of the cut for burr free operation. (Models C300, C315/350). Model C315/350 vise also mounted on slide assembly to allow optimum positioning of workpiece relative to blade

Manual C

For tubes, pipes, light structural Hinge Type Machines

Hinge type machines are generally not considered production machines, but may be used in production under carefully considered applications.



Model C250
Bench Mounted



Model C300



Model C315/350

SPECIF

Standard Equipment		C250
TEFC Motor	Construction Type	Hinge Type
Totally Enclosed Transmission	Max Blade	10" (250 mm)
24-Volt Controls	Horsepower	1 HP
HSS Sawblade	Spindle RPM	50
Built-in Flood Coolant	1-Phase	52 & 104
All Safety Guards	3-Phase 2-speeds	1 ½ Gallons
Operator Manual/ Parts List	Coolant Capacity	32 mm
	Spindle Diameter	4"
	Max Vise Opening	36.75"
	Material Working Ht.	16 w x 18 deep
	Floor Footprint	200 lb
	Shipping Weight	Capacities (in.)
		○ □ ▭
	90° □ □	3 2 ¾ 3 ½ x 1 ¼
	45° l ▱	N/A
	45° r ▱	2 ¾ 2 ¼ 2 ¼ x 2
	60° r ▱	N/A

Capacities shown are max cutting envelope. Each individual type and shape of material, and quantity of piece per day

Isfor heavy sections and solids Vertical Column Machines

Vertical Column machines provide the construction that is the most stable of all cold saws. This means superior sawframe guidance and vibration-free sawing, and greater accuracy throughout the entire life of the machine.

The sawframe is quickly and accurately swiveled to any angle up to 45 degrees left or 60 degrees right, with a highly visible scale for optimum accurately returning to zero.

The sawframe feed is rack & pinion which means you can easily pull through heavy workpieces effortlessly.

The Model C316 is a step up from hinge type construction and may be used for production of tubes and profiles and small solids.

The Model C370 may be used to cut solid mild steel to the maximum capacity.



Model C316



Model C370

ICATIONS

C300	C315/350	C316	C370
Hinge Type	Hinge Type	Vertical Column	Vertical Column
12" (300 mm)	14" (350 mm)	12 1/2" (315 mm)	14 1/2" (370 mm)
3 HP	3.5 HP	2.5 HP	4 HP
50 33 & 66	24-105 Infinitely Variable (optional) 30 & 60	N/A 17 & 33	N/A 18 & 36
2 Gallons	3 Gallons	4 Gallons	4 Gallons
32 mm	32 mm	40 mm	40 mm
6 1/4"	6 1/4"	7 1/8"	7 1/8"
38.50"	39.75"	36.25"	36.25"
20 w x 22 deep	23 w x 24 deep	25 w x 31 deep	25 w x 31 deep
400 lb	650 lb	800 lb	900 lb
○ □ ▭	○ □ ▭	○ □ ▭	○ □ ▭
4 3 1/2 4 3/4 x 3	4 3 3/4 3 3/4 x 5	4 3 1/4 3 3/4 x 5 3/4	4 4 4 x 7
3 2 3/4 3 x 2 3/4	3 3/4 3 3/4 3 3/4 x 3 3/4	4 3 1/4 3 x 4	4 4 4 x 5
3 1/2 2 3/4 3 x 2 3/4	3 3/4 3 3/4 3 3/4 x 3 3/4	4 3 1/4 3 x 4	4 4 4 x 5
N/A	N/A	3 1/2 3 2 3/4 x 3	4 4 3 1/2 x 3 1/2

Standard Equipment C316 & C370

- One Saw Blade
- Heavy-Duty Precision-Ground Saw Bed
- Electricals to NFPA-79 Electrical Standards
- Heavy-Duty Drive, TEFC Motors
- Totally Enclosed Transmission
- Full Coolant System
- Full Blade Guarding, Easily Removed
- Operators Tools
- Operators Manual/Parts List
- Powered Rotary Cleaning Brush*

*Note: Model C370 only

cutting job must be considered with regards to

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Semi-Automa For Produc

Models C320SA and C360SA vertical column cold saws are equipped with simple economical controls for high volume sawing. The operators console is simple and setup is easy.

Models C320SA may be used for production of tubes and profiles and small solids.

The Model C360SA may be used to cut solid mild steel to the maximum capacity.



Model C320SA



Model C360SA

SPECIFICATIONS

	C320SA			C360 & 370SA			
Max Blade Diam.	12 1/2" (315mm)			14 1/2" (370mm)			
Horsepower	2 1/2 HP			4 HP			
Spindle RPM (2 speed)	17 & 33			18 & 36 (C360)			
Infinitely Variable	17-66			13-76 (C370)			
Coolant Capacity	4 gallons			4 gallons			
Spindle Diameter	40 mm			40 mm			
Max Vise Opening	7 1/8"			7 1/8"			
Material Working Ht.	36.25			36.25			
Floor Footprint	25 w x 31 deep			25 w x 31 deep			
Air Requirements	60-100 psi, 2 cfm			60-100 psi, 2 cfm			
Shipping Weight	900 lb			1000lb (C360) 1200 lb (C370)			
Capacities (in.)	○	□	▭	○	□	▭	
90°	□	4	3 1/4	3 x 5 3/4	4	4	4 x 7
45° l	▱	4	3 1/4	3 x 4	4	4	4 x 5
45° r	▱	4	3 1/4	3 x 4	4	4	4 x 5
60° r	▱	3 1/2	3	2 3/4 x 4	4	4	3 1/2 x 3 1/2

Standard Equipment

All Models

- One Saw Blade
- Heavy-Duty Precision-Ground Saw Bed
- Electricals to NFPA-79 Electrical Standards
- Heavy-Duty Drive, TEFC Motors
- Totally Enclosed Transmission
- Full Blade Guarding, Easily Removed
- Operators Tools
- Operators Manual/Parts List
- Powered Rotary Cleaning Brush*

*Note: Model C370 only

Capacities shown are max cutting envelope. Each individual cutting job must be considered with regards to type and shape of material, and quantity of piece per day

atic Cold Saws

tion Sawing

Model C370 SA-V

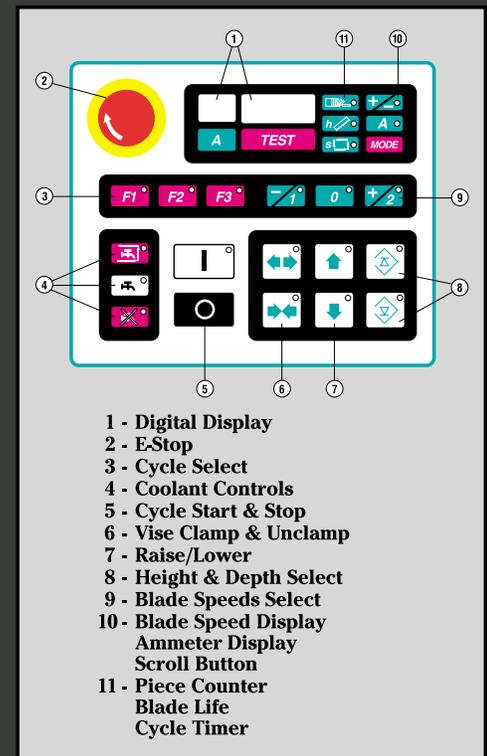
The Model C370 SA-V machine is the ultimate semi-automatic production sawing machine.

A full control system provides important sawing data such as:

- Blade Drive Amps during operation
- Blade Life
- Cycle Timer
- Piece Counter
- Digital Blade Speed Readout
- Diagnostics

The operators console features soft-touch controls for all setup and sawing operations.

Infinitely variable blade speeds and infinitely variable vise clamping pressure are standard equipment.



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High Speed For Non-Fer

The **CT 350 Series** Machines are High Speed Circular Saws for aluminum extrusions and other non-ferrous materials. These machines feature swiveling capability for mitering and swiveling/tilting capability for compound mitering.

Model CT 350 AV - Manual sawing operation with two quick clamping of air vises

Model CT 350 SA - Semi-automatic operation, with air over hydraulic system providing optimum sawing rates with minimum effort by the operator. Optimum cutting rates are yielded with controls over the sawing pressure and sawing speed. Air vises are equipped with infinitely variable clamping pressure to prevent distortion of structurals.

The powerful operators control system provides important sawing data such as:

- Blade Drive Amperage during operation
- Blade Life
- Cycle Times
- Number of Cut Pieces
- Digital Blade Speed Readout
- Diagnostics

The operators console features soft-touch controls for all setup and sawing operations.



CT 350 AV
Manual with Air Vises



Model CT350 allows inclined cutting, making accurate compound miters possible, up to 45°.

Specifications

Standard Equipment Includes:

- TEFC Motors
- 24 Volt Controls
- Carbide Tipped Blade (350MM)
- Heavy Duty Drive
- Built in Spray Mist Coolant
- Preset Stops, 0°, 15°, 30°, 45°
- Removable Extruded Special Jaws
- Built in 4" Diam. Vacuum Spout
- Length Stop Assembly
- All Safety Guards
- Operator Manual/Parts List

CT 350 SA only:

- Semi-automatic Operation
- Disconnect Switch
- Hydraulic Oil
- Variable Vise Clamping Pressure
- Blade Speed Indicator
- Work Height/Depth Controls

Maximum Vise Opening..... 8.0"

Vises..... Two Air Vises

Blade Speeds (2)..... 1800 & 3600

Blade Specifications..... 14" (350MM)

Motor.....Blade Drive 2.5 H.P.

Work Height.....34.25 inches

Net Weight..... CT 350 AV, 550 pounds
CT 350 SA, 700 pounds

Machine Dimensions..... across front, 43" (CT 350 SA)
across front, 32" (CT 350 AV)
front to back, 36"
height, 64"

Note: Design specifications subject to change without notice

Recommended Capacities.....

Round.....4.75"
@45° right.....4.5"
@45° left.....4.5"
@45° vert. left.....3.0"

Square.....4.5"
@45° right.....4.0"
@45° left.....4.0"
@45° vert. left.....2.75"

Rectangular.....3.5" X 7.5" wide
@45° right.....2.75" X 5.9"
@45° left.....2.75" X 5.9"
@45° vert. left.....2.25" X 7.0"

Standard Equipment

All Models

- One Saw Blade
- Heavy-Duty Precision-Ground Saw Bed
- Electricals to NFPA-79 Electrical Standards
- Heavy-Duty Drive, TEFC Motors
- Totally Enclosed Transmission
- Full Spray Mist Coolant System
- Full Blade Guarding, Easily Removed
- Operators Tools
- Operators Manual/Parts List

Capacities shown are max cutting envelope. Each individual cutting job must be considered with regards to type and shape of material, and quantity of piece per day

Circular Saws rorous Materials

VACUUM SYSTEM

The CT350 Series is designed for high volume sawing, and this means a lot of chips. Our vacuum system is specifically engineered with extra filters and baffles to keep aluminum chips segregated from the vacuum blades. When system is ordered with CT350SA, the controls automatically turn on & off with the blade, or constantly 'on'. Unit sits on 55 gal drum (you supply). 1100 cfm unit will dispose of majority (not all) of chips generated.



Model CT350SA



Examples of cut materials

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ACCESSORIES



Custom Roller Conveyor w/micro-adjustable legs, mounted to machine, 5' and 10' lengths available.



Accu-cut custom length system
Stop with scale, micro-adjustable legs.



Custom worktable/conveyor w/micro-adjustable legs, mounted to machine.
Cover plates between rollers provide worktable surface 72" and 144" lengths available



Custom worktable/conveyor with Accu-cut custom length system Stop with scale, micro-adjustable legs 72" and 144" lengths available



Vertical Side Guide Rollers
For Custom conveyors only



Freestanding Roller Conveyors 5' and 10' lengths available



Pneumatic Top Clamp
Semi-automatic models only



Footswitch
Semi-automatic models only

