



VULCAN MACHINERY CORP.

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Engineering Makes The Difference™

**CROSS LINE SAW
CTS Series**



Model Number	Max. Sheet Thickness (inches)	Saw Blade Dia. (inches)	Max. Sheet Width (inches)
CTS31	1	12	36
CTS41	1	12	48
CTS51	1	12	60
CTS61	1	12	72
CTS71	1	12	84
CTS33	3 (foam)	16	36
CTS43	3 (foam)	16	48
CTS53	3 (foam)	16	60
CTS63	3 (foam)	16	72
CTS73	3 (foam)	16	84
CTS36	6 (foam)	22	36
CTS46	6 (foam)	22	48
CTS56	6 (foam)	22	60
CTS66	6 (foam)	22	72
CTS76	6 (foam)	22	84

PROGRAMMABLE CONTROLS:

- 4.1" LCD touch screen HMI
- Proprietary software driven display
 - Guides operator through set-up and prevents input errors
- Start pushbutton
- Emergency stop pushbutton
- Single turn line speed potentiometer (for manual operation)
- Automatic/manual locking selector switch
- Manual counter override with counter reset
 - Pushbutton for reset after package

SAW BLADE DRIVE:

- 5 to 10 HP (depending on application), 1750 RPM, AC motor
- Motor output shaft connected to saw blade spindle by a multiple V-belt drive

CROSS LINE TRAVEL:

- Cross line travel powered by DC-SCR motor-driven screw
- Max. to min. feed rate of 30 to 1
- Cross line carriage movement by linear bearings travelling on hardened steel shafting
- Saw carriage return accomplished by motor reversal
- Saw tabletop id ½" thick UHMW liner; grooved cross line to provide for saw blade clearance

IN-LINE TRAVEL:

- Cross line travel carriage frame mounted on second carriage moving in the in-line direction
- In-line carriage supported by linear bearings moving on hardened steel shafting
- Air actuated bar clamps couple the carriage to the moving sheet extrudate during the sawing process; sheet is clamped both upstream and downstream of the saw blade

VERTICAL BLADE MOVEMENT:

- Blade is pneumatically raised and lowered
- Blade can be adjusted for variations in sheet thickness
- Adjustable hold down rolls for proper securing of sheet during cut

DUST REMOVAL:

- Shroud over saw blades furnished
- Male exhaust port connections to shroud for coupling to customer's furnished dust collection and disposition system
- Brush type seals on perimeter of shroud to contact sheet product and assist in dust control

SAFETY FEATURES:

- Fully guarded with expandable metal guards
- Guards are extended on both sides of the blade for additional operator safety
- Actuation of emergency button stops the saw blade rotation and retracts the blade from the sheet extrudate
- Saw blade rotation will stop and blade will be retracted from sheet extrudate if in-line travel limit is reached before the cross line saw operation has been completed

FRAME:

- Heavy wall tubing, steel plate and structural sections
- Two rigid and two swivel casters and hold-downs
- Screw type floor jacks
- Fully guarded drive train and electrical components

ELECTRICAL:

- Standard Electrical is 230 Volt/3 Phase/60 Hertz
 - Electrical other than the above is available as an option



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