

SPECIFICATIONS

Specifications		TC3102
Blade Size (OD x Bore)		255mm - 350mm x 32mm
Capacity (Pipe & Tubing)	○	Min. 0.39" - Max. 4.02"
	□	Min. 0.39" x 0.39" - Max. 3.15" x 3.15"
	▭	Min. 0.59" x 0.39" - Max. 3.15" x 2.36"
	Solid Materials	Min. 0.47" - Max. 1.57"
Feed Length		Min. 1.77" - Max. 118.11"
Remnant Length		Min. 0.98"
Blade Speed		42 - 252 rpm (by Inverter)
Length of Material		Min. 98.43" - Max. 255.91"
Load Capacity of Magazine		Max. 14,330 lbs.
Material Weight / Bar		Max. 110.25 lbs.
Cut Off Product Weight / Bar		Max. 55.13 lbs.
Material Indexing Speed		3.94 - 165.35 in./sec.
Hydraulic Tank Capacity		26.42 gal.
Cutting Fluid Tank Capacity		52.84 gal.
Blade Motor		7 HP
Machine Dimensions (Includes 118.11" Loading Table Unit)		(L) 433.07" x (W) 92.52" x (H) 70.87"
Machine Weight (Includes Unloading Unit)		7,938 lbs.
Loading Unit Weight		3,969 lbs.

ACTUAL CUTTING RESULTS

Material	OD x WT	Cut Off Length	Number of Cut Off Pieces / Hour
Welded Seam Tubing	1" x 0.063"	19.69"	1,600 pcs
	1" x 0.063"	39.37"	1,200 pcs
	3" x 0.063"	19.69"	630 pcs
	3" x 0.063"	39.37"	530 pcs

Amada reserves the right to change specifications and/or accessories at any time without prior notice.

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TC3102

FULLY AUTOMATIC TUBE CUTTING MACHINE FOR HIGH PRODUCTION



High Precision & High Productivity Circular Saw, **TC3102** Will Change Your World!!

AMAZING SPECIAL FEATURES:

- #1 --- **High Speed Cutting:** It only takes 1.5 seconds to cut a 1"(OD) x 0.063"(WT) and 5 seconds for a 3" x 0.063" wall.
- #2 --- **Precise & High Speed Length Setting:** Length stop moves at 71"/sec. to minimize wait time when changing job lengths.
- #3 --- **High Speed Material Indexing:** The pinch roller indexes material at 3.9"-165"/sec.
- #4 --- **High Quality, Rigid Construction:** Eliminates the possibility of material movement; assuring accuracy, high productivity, and extended longevity.
- #5 --- **Bundle Storage System:** The large capacity sling magazine enables feeding of different shapes and profiles.
- #6 --- **Easy Operation:** The user-friendly control panel makes each job set-up easy and quick.
- #7 --- **Automatic Control:** After your simple data entry, the machine creates the most productive operation settings.



Bundle Storage System
Handles all tube, square, and rectangle shape pipes.



Control Panel
Only requires material, configuration, and blade information entry to determine the most effective setting for the job.



Pinch Roller Feed
Easy setting by graduated scale.



Cutting Head & Vise
Powerful 7HP blade driving motor, easy vise adjustment.



Length Stop
Moves at 71"/sec. by servomotor and rack and pinion for just accurate set-up of cut lengths.



Cut Piece Sorting
Sorting system separates usable parts from trim cuts and remnant end.