

## 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:

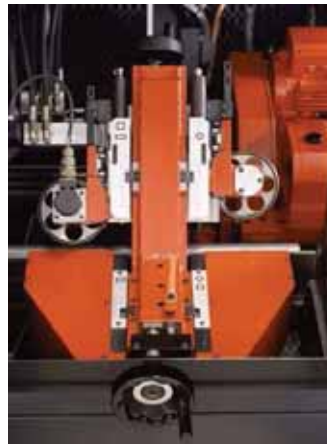
- #1 --- **High Speed Cutting:** It only takes 1.5 seconds to cut a 1"(OD) x 0.063"(WT) and 5 seconds for a 3" x 0.063" wall.
- #2 --- **Precise & High Speed Length Setting:** Length stop moves at 71"/sec. to minimize wait time when changing job lengths.
- #3 --- **High Speed Material Indexing:** The 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.