

HIGH-PRODUCTION CARBIDE CIRCULAR SAWING SYSTEM

# CM-AN/CNC SERIES



 **OMADA**<sup>®</sup>

# Circular Saw - CM-AN/CNC Series

## Features

- Inclined magazine table for automatic material loading
- Servo motor for precise material indexing
- Vibration-free saw spindle mechanism
- Mist type coolant system
- Wear-resistant vise system
- Automatic trim cut sorting
- Anti-backlash brake system for longer blade life
- Burr free mechanism



Touch panel and CNC controller allow you to set up jobs without special skills assuring faster cuts, clean cuts and longer blade life every time. (CM75CNC, CM100CNC only)



The CM-AN/CNC Series inclined magazine loading table enables automatic continual bar loading for true "lights out" production.



CM100CNC



CM150AN



CM75CNC



Circular Saw Blade

## Examples of Actual Achieved Cycle Times

| Material         | 1045                        | 304 SS                      | 4140                                       |
|------------------|-----------------------------|-----------------------------|--|
| Size             | 3" Diameter x 5.750" Length | 3-1/8" Diameter x 9" Length | 2" Diameter x 7.750"(+.004"/-.002") Length |
| Total Cycle Time | 15 seconds                  | 25 seconds                  | 11 seconds                                 |

These are actual cut times achieved by end users. Blade life will vary by increasing or decreasing cutting rates. For actual cutting times on your material, please call Amada Cutting Technologies at **1-800-877-4729** to arrange for your personalized test cutting.

## Specifications

| Model   |                            | CM75CNC                              | CM100CNC                      | CM150AN                       |
|---|----------------------------|--------------------------------------|-------------------------------|-------------------------------|
| Cutting Capacity  | Round (Diameter)           | 0.6" - 3.0"                          | 0.79" - 4.0"                  | 2.8" - 6.0"                   |
|   | Rectangle (W x H)          | 0.6" x 0.6" - 2.6" x 2.6"            | 0.79" x 0.79" - 3.14" x 3.14" | 2.8" x 2.8" - 4.3" x 4.3"     |
| Maximum Stock Table Loading Capacity - Round Bars (LxD) |                            | 18 ft. x 3.0" or 3970 lbs.*          | 18 ft. x 4.0" or 7718 lbs.*   | 19.6 ft. x 6.0" or 4410 lbs.* |
| Incline Table Dimensions (LxW)                          |                            | 17 ft. x 39"                         | 17 ft. x 39"                  | 17 ft. x 3"9"                 |
| Material Feed   | Material Index             | AC Servo Motor and Ball Screw        |                               |                               |
|   | Cutoff Length              | 0.2" - 999.999" (Multiple Indexing)  |                               |                               |
| Saw Blade   | Blade Size (OD x Bore x T) | 11.2" x 1.57" x 0.08"                | 14.1" x 1.57" x 0.10"         | 18.1" x 1.97" x 0.11"         |
|   | Blade Speed                | 50 - 160 rpm, changeable in 12 steps | 40 - 128 rpm, by Inverter     | 55 - 80 rpm, by Inverter      |
| Motors  | Saw Blade Motor            | 10 HP (7.5 kW)                       | 15 HP (11 kW)                 | 15 HP (11 kW)                 |
|   | Hydraulic Pump Motor       | 3 HP (2.2 kW)                        | 3 HP (2.2 kW)                 | 3 HP (2.2 kW)                 |
|   | Cut-to-Length Feed Motor   | 0.7 HP (500 W), Servo Motor          |                               |                               |
| Machine Dimensions (W x L x H)                          |                            | 70" x 67" x 58"                      | 85.0" x 65.7" x 59.6"         | 77.8" x 98.8" x 66.9"         |
| Machine Weight  |                            | 3750 lbs.                            | 5402 lbs.                     | 5733 lbs.                     |

\* Evenly distributed over entire table

Specifications may change without notice at the sole discretion of Amada's Engineering Department.



**Amada Cutting Technologies, Inc.**

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