

C-TECH Series

C5 SERVO



NC Programmable Automatic Mass Production Band Saws

C-TECH Series – C5

NC Programmable Automatic Mass Production Band Saw

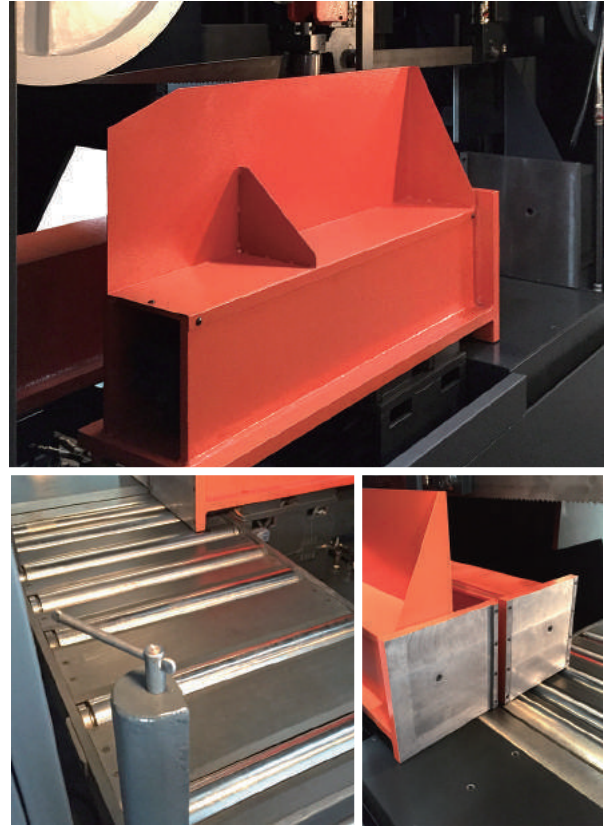
Cosen's C5 incorporates a 10 HP (7.5 kW) powerful blade motor, 54 mm blade, facilitated control panel and super heavy-duty guillotine design. The linear guide ways ensure smooth saw frame movement and consistently stable cutting force. Servo drive and ball screw spindle is applied on both material feed and saw frame travel to maximize cutting accuracy and efficiency.

Standard Features

- Direct motor drive coupled with efficient helical bevel gearbox
- Super rigid single-piece guillotine design saw frame
- Ergonomic door frame design with ample clearance for material unloading
- Servo drive and ball screw spindle for material feed
- Servo drive and ball screw spindle for saw frame travel
- Saw frame travel via high precision linear guide way
- Roller workbed
- Double retracting front and rear vises
- Full stroke hydraulic vises riding on linear guides
- Automatic guide arm positioning in sync with vise
- Vibration damper
- Automatic hydraulic blade tensioning
- Automatic material height sensor via laser detector
- 7" HMI color touch screen & Mitsubishi PLC controller
- 100 individual jobs programmable and recalling
- Automatic kerf compensation & "Save-a-Blade" function
- Instant reading on blade speed and cutting rate
- Blade life, blade height display
- First automatic cut via laser detector
- Inverter-controlled infinitely variable blade speed
- LED machine lights

Optional Accessories

- Exclusive COSEN V_Drive + Deviation Detection Package
- Motor Amperage Display
- Hydraulic Shaftless Chip Conveyor
- Hydraulic Scraper-Type Chip Conveyor
- Hydraulic Top Clamp
- Vise Pressure Regulator
- 2M Heavy Duty Roller Table



Specification COSEN C5

| | |
|----------------------------|---|
| Capacity Round | 560 mm (22") |
| Capacity Square | 560 mm (22") |
| Capacity Rectangle (H x W) | 560 x 560 mm (22" x 22") |
| Blade Speed | 20 – 100 M/min |
| Blade Size | 7260 x 54 x 1.6 mm (285.8" x 2.1" x 0.063") |
| Blade Tension | Hydraulic |
| Blade Motor | 10 HP (7.5 kW) |
| Hydraulic Motor | 2 HP (1.5 kW) |
| Coolant Motor | 1/2 HP (0.38 kW) |
| Automatic Indexing Length | 500 mm, Max. 99999 mm |
| Workbed Height | 650 mm (25.6") |
| Gross Weight | 4800 kgs (10560 lbs) |
| Floor Space (W x L x H) | 3400 x 2050 x 2380 mm (133.9" x 80.8" x 93.7") |

* Design and specifications are subject to change without notice & obligation.
* Machines may be shown with some options.



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