



# SNC<sup>+</sup> series

## Cosen-7-Advantage:

- ISO 9001 Certified
- Superior Cutting Speed
- Extensive Product Line
- Affordable Pricing
- Exclusive Design
- Sawing Expertise
- Quality Components



Smart NC Automatic  
Mass Production Band Saws

Distributor Stamp



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cat. no. (SNC+) -1303



ISO 9001  
certified



TAIWAN  
EXCELLENCE 2013



## Smart NC Automatic Mass Production Band Saws

Smart NC-100 (SNC100) technology provides most of the benefits of NC controlled saws at a mere fraction of the cost. SNC100 controls are programmable up to 100 different jobs including quantity and length of cut. The control automatically compensates for kerf loss after data input and requires no manual calculation of number of times to index. The control also automatically shutdowns the machine, blade motor and hydraulics, once the programmed number of cuts or out of stock situation has been achieved.



### SNC-100 Features include:

- 5.7" HMI touch screen & Mitsubishi PLC controller
- 100 individual jobs can be programmed and stored
- Easily recalling and executing stored programs at will
- Automatic kerf loss compensation & automatic multiple indexing up to 99 M (999")
- Convenient access to blade speed and blade life
- Save-a-Blade™ – Automatic vise retracting after material cut-off, reducing abrasion and improving blade life
- Rapid troubleshooting through error feedback system
- Friendly maintenance reminder signals



#### Rigid dual columns + extra-supportive cross link

The gantry type C-320GNC features two large-diameter round columns for maximum amount of support to the saw frame. The enlarged cross link on top adds to great structural strength.



#### Split front vise

The split front vise will hold the work piece on both sides of the blade for a burr-free cut. In addition, this design reduces the remnant piece to the minimum length.



#### Secure vise clamping & smooth material feeding

- scrap-free vise plates
- double retracting vise
- full stroke hydraulic cylinder
- split front vise
- optional hydraulic top clamp



#### Full stroke vises

Vise clamping and unclamping for any work size can be controlled directly from control panel without any need to manually position the vises.

Upgraded from one of Cosen's best seller, C-320NC, C-320GNC takes a leap toward perfectionism – with every detail carefully considered and executed to make it your dream metal cutting saw!

### What benefits does "Plus" bring to you?

Numerous details have been made to perfection from inside to outside of the machine, giving you more and even slicker exterior, more user-friendliness and added durability. Enjoy added features such as: easily detachable splash guard, dual-speed pulley, enlarged cross link, scrap-free vise plates, multi-voltage transformer and more!



**C-320GNC** | ● 325 mm  
■ 380 x 325 mm



**C-260NC** |  260 mm  
300 x 260 mm



**C-325NC** |  325 mm  
380 x 325 mm



## Optional accessories

### Vise Pressure Regulator

Used to control the pressure of the vise, this device becomes extremely important when it comes to cutting tubes or softer material. With Cosen's vise pressure regulator, infinitely variable clamping pressure from 0 to full system pressure can be easily adjusted and monitored.

### Vibration Damper

Cosen's vibration damper can effectively reduce blade vibration produced under high-speed cutting. Especially for cutting small materials on bandsaws of large width capacity, the vibration damper can reduce blade vibration, increase cutting rate, and enable smooth cut-off surfaces.

### Blade Deviation Detector

With the blade deviation detector, the machine will stop automatically once the blade deviates beyond preset range, preventing unnecessary loss in material or tooling costs. The control panel displays instant reading on detected deviation value; deviation range can be easily configured with a few touches away.

### Height Decoder

Through advanced encoder technology the machine displays the exact height position of the saw frame. This allows a linear downfeed rate to be calculated and displayed, eliminating any guessing work once and for all. The height decoder helps the operator to get the best performance from the machine by being able to cut at the proper downfeed rate recommended by the blade manufacturer.

### V\_Drive

With Cosen's V\_Drive, you can cut hard-to-cut materials like Titanium, Hastel alloy and other metals at significantly increased rates. V\_Drive saves you cutting time by 25~50% and at the same time improves blade life, reducing your tooling costs!



### 2M Roller Table

Used when cutting long work pieces, the sturdily-built roller table keeps material level with the machine. (Other length available. Please consult Cosen.)



### Hydraulic Chip Conveyor

Effective and convenient, the shaftless design incorporated allows for maximum chip removal. Also, this hydraulically powered shaftless chip conveyor does not burn out like traditional electric motors do when material falls and binds in the way.



### Hydraulic Top Clamps

Required for bundle cut applications, the top clamps are hydraulically powered to provide secure clamping and works with the single/bundle cut select switch on the HMI touch panel.

## SPECIFICATIONS

Model	C-260NC	C-325NC	C-320GNC	
Capacity	Round	260 mm (10.2")	325 mm (12.8")	325 mm (12.8")
	Square	260 mm (10.2")	325 mm (12.8")	325 mm (12.8")
	Rectangular(WxH)	300 x 260 mm (11.8" x 10.2")	380 x 325 mm (15" x 12.8")	380 x 325 mm (15" x 12.8")
Speed		20~100 m/min (66~328 fpm)	20~100 m/min (66~328 fpm)	20~100 m/min (66~328 fpm)
	Size(LxWxT)	3660 x 34 x 1.1 mm (144" x 1.3" x 0.042")	3820 x 34 x 1.1 mm (150.4" x 1.3" x 0.042")	4240 x 34 x 1.1 mm (166.9" x 1.3" x 0.042")
Saw Blade	Tension	Hydraulic (Automatic blade breakage detection)		
	Saw blade	5 HP (3.75 kW)	5 HP (3.75 kW)	5 HP (3.75 kW)
	Motor Output	Hydraulic 1 HP (0.75 kW) Coolant 1/8 HP (0.1 kW)	1 HP (0.75 kW) 1/8 HP (0.1 kW)	1 HP (0.75 kW) 1/8 HP (0.1 kW)
Tank Capacity	Hydraulic Tank	35 L (9.2 gal)	35 L (9.2 gal)	35 L (9.2 gal)
	Coolant Tank	75 L (19.8 gal)	75 L (19.8 gal)	75 L (19.8 gal)
Vise Control	Control method	Hydraulic		
	Automatic Indexing	403 mm (15.9")	403 mm (15.9")	403 mm (15.9")
Length	Multiple	Max.9999 mm	Max.9999 mm	Max.9999 mm
	Rest Piece	50 mm (2")	50 mm (2")	50 mm (2")
Height of Work Bed		720.7 mm (28.4")	720 mm (28.3")	790 mm (31.1")
Gross Weight		1500 kgs	1800 kgs	2200 kgs
Floor Space		2160 x 2185 x 1530 mm (85" x 86" x 60.2")	2045 x 2015 x 1345 mm (80.5" x 79.3" x 53")	2420 x 2020 x 1670 mm (95.2" x 79.5" x 65.7")

\* Design and specifications are subject to change without notice & obligation.

\* Machines may be shown with some options.