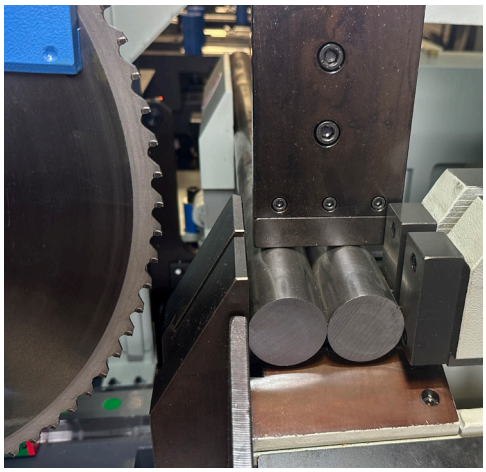
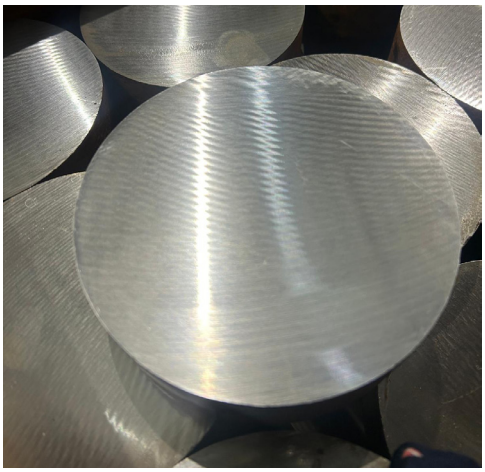
PROSAW
THE PEOPLE TO SEE FOR SAWS

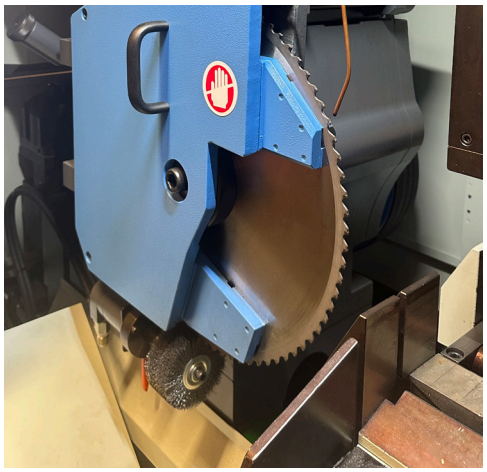
CS160N High Production Automatic Carbide Circular Saw

The 'NEW' Mega CS-160N is an extra heavy duty, powerful precision cutting machine, with excellent repeatability by means of an NC controlled servo motor. Designed for fast cutting of solid bar and tube, providing clean, swarf free billets.





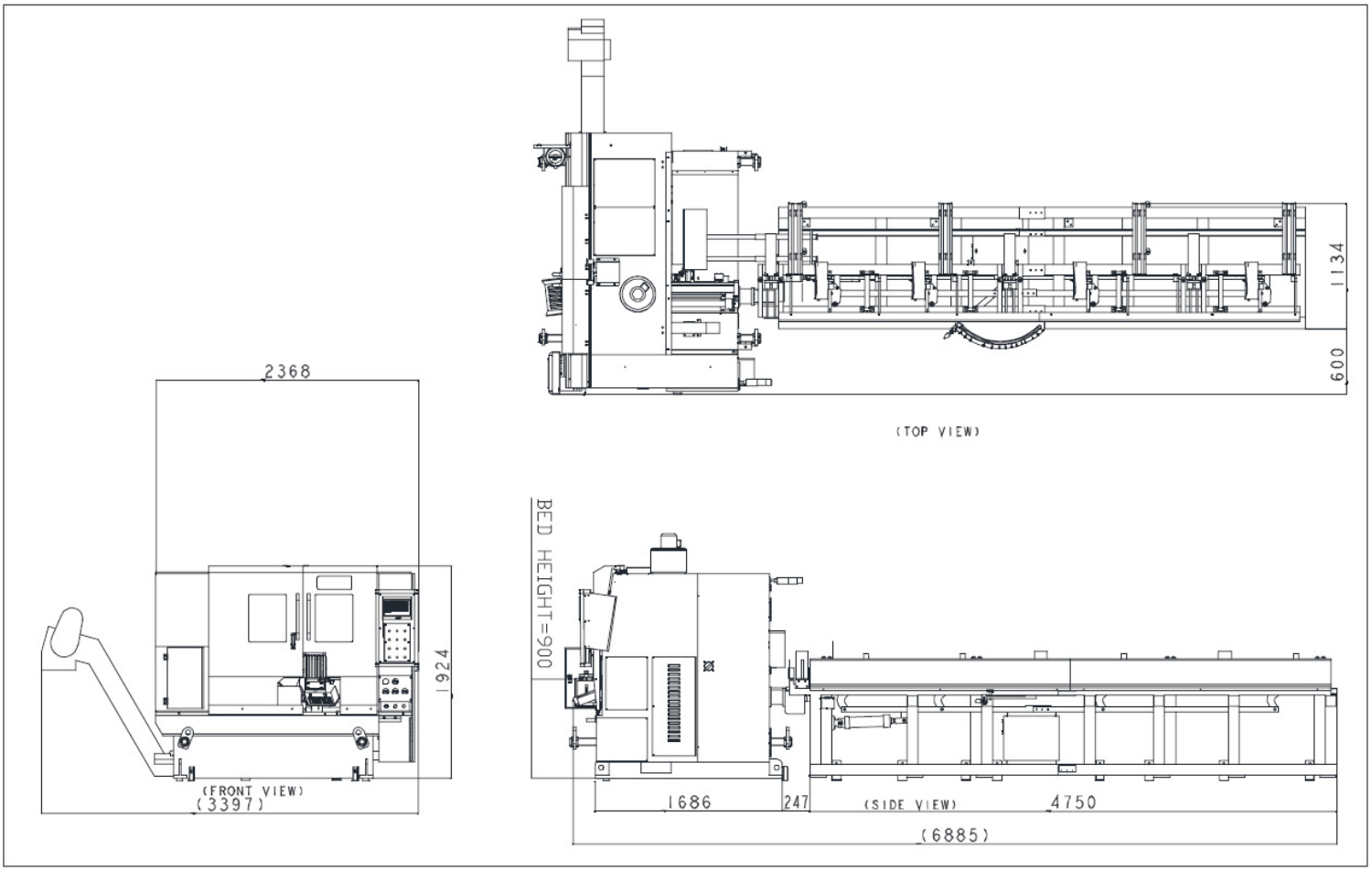




Technical Specification

Cutting Capacity	●	25 ~ 160 mm
	■ ■	25 ~ 120 mm
Blade	Speed	60 ~ 150 rpm
	Size	460 x 50 x 2.7 mm
		480 x 50 x 2.7 mm
Motors	Blade Drive	37.3 kW (50 hp)
	Hydraulic	2.25 kW
	Bar feed servo	1.8 kW
Feed Speed		24 m/min
Auto Feed Length	Single Feed	20 ~ 600 mm
	Multiple Feed	601 ~ 9999 mm
Height of Bed		990 mm
Shipping Dimensions		
Machine Weight		

Layout Drawing



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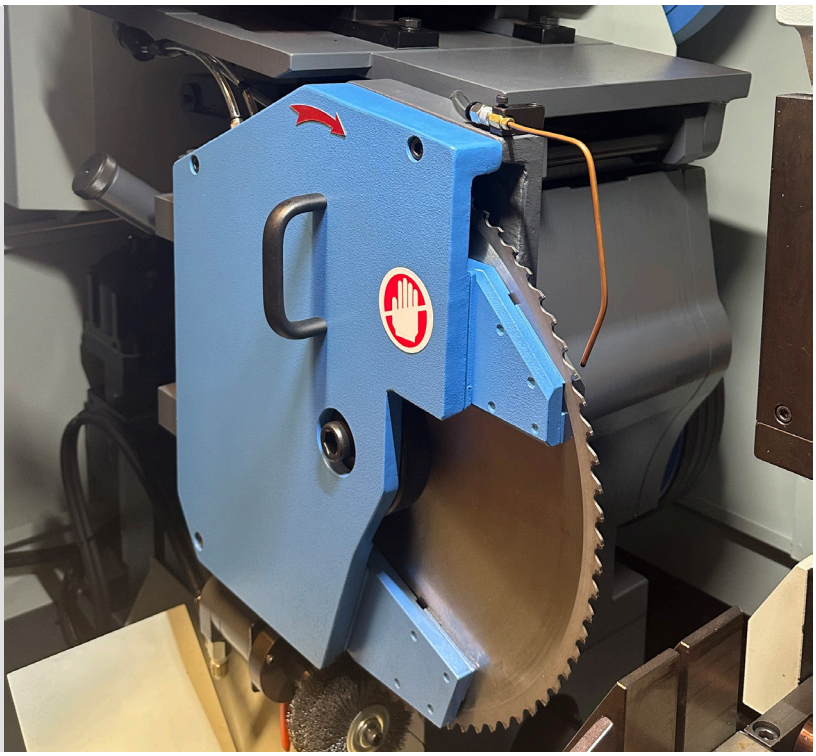
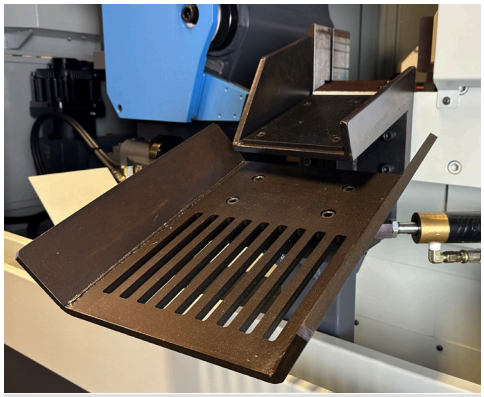
CUTTING HEAD & GEARBOX

Heavy duty CS-160N Anti Backlash type gearbox specifically designed for carbide blade sawing. Eliminates vibration from the cutting tool often caused by backlash in a conventional gearbox. This ensures a superb cut finish and increased blade life.

Saw head is mounted on oversized linear slides for vibration free, smooth cutting and saw head travel horizontally across the cut

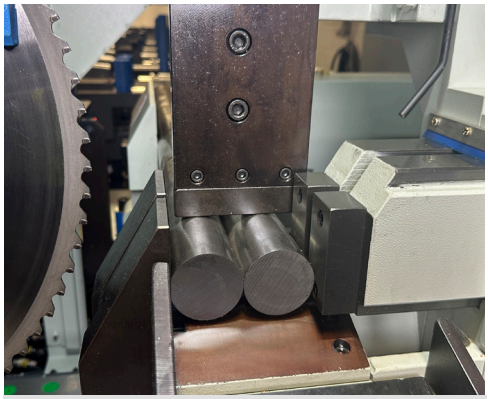
CS160N has an oversized motor and gearbox with 3 times the torque at the shaft compared to a standard Carbide saw.





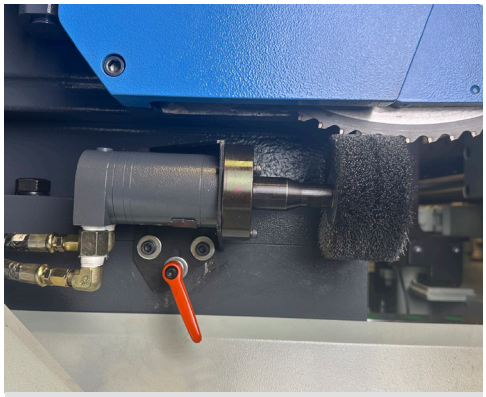
SEPARATING SYSTEM

Automatic separation of trim cut and bar.



TOP CLAMP

Overhead material clamp reduces vibration during sawing operation. Enables 2 bar cutting to be carried out.

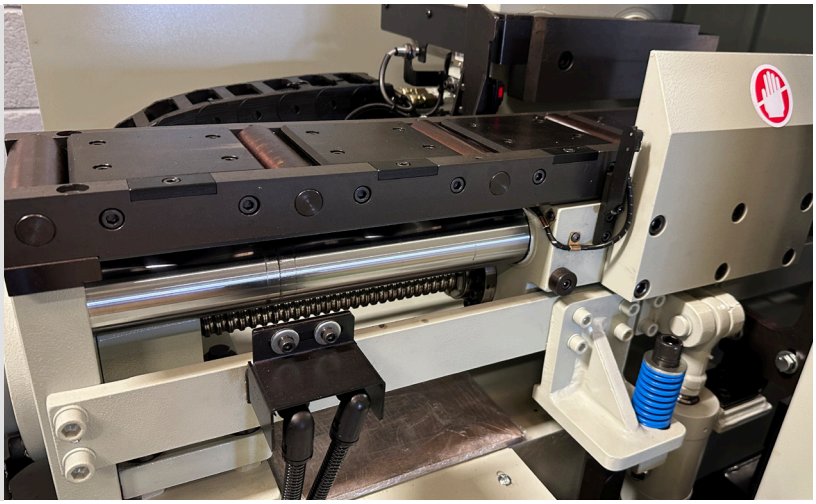


POWERED SWARF BRUSH

Hydraulic powered swarf brush, provides excellent removal of chips from the blade.

MATERIAL FEED

Hydraulic rear vice assembly mounted on chrome rails.
NC servo motor and ball screw feeder for precision accuracy.
Standard feed length 20-600mm, multipass standard.
N series feed speed is 24m/min



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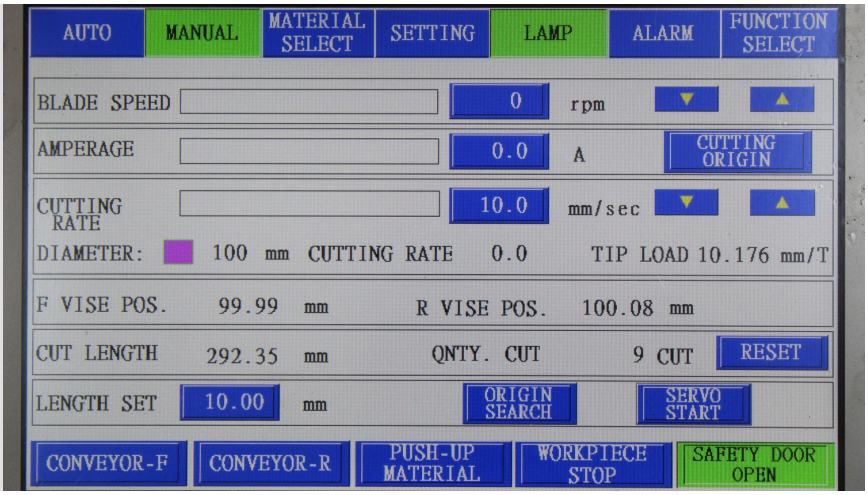
TOUCH SCREEN CONTROL

A full colour screen provides the operator with all necessary functions of the machine programming. With a simple to follow procedure for inputting parameters.

Preset cutting material library for parameters are standard in the CS160N.



OIL MIST LUBRICATION

Oil-mist spray coolant directed at the blade. Cools and lubricates the sawing blade as well as provides an anti-corrosion film on the cut piece. Avoids contamination and environmental problems of traditional flood coolant.





VICE PRESSURE REGULATION

MAGAZINE TABLE

Inclined material loading magazine
Max material length - 6 mtrs
CS160N max capacity is 4 bars @ 160 dia.

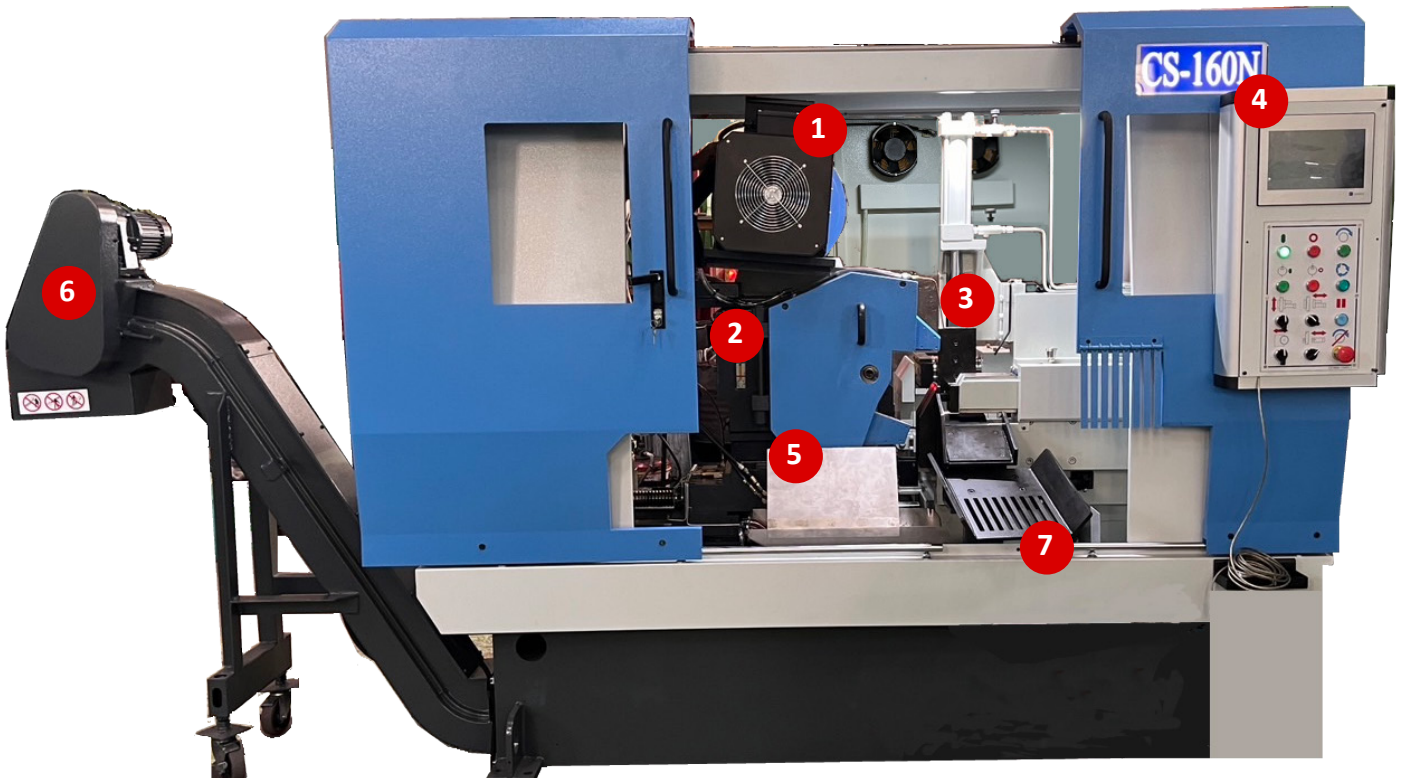


SWARF CONVEYOR

High rise swarf conveyor to transport chips from the base of the saw to an external collection point.



Summary



1 High Performance Motor

- The saw blade is driven by a high-performance 50 hp motor, combined with transmission via a spiral bevel gear, which provides constant power output and heavy cutting ability.

2 Anti Backlash Gearbox

- Specifically designed for carbide sawing. Eliminates vibration from the cutting tool to ensure a superb cut finish and increased blade life.

3 Top Clamp

- Reduces vibration during sawing and enables 2 bar cutting to be carried out.

4 Touch Screen Control

- Full colour touch screen with a simple to follow procedure for inputting parameters.
- Preset cutting material library

5 Powered Swarf Brush

- The wire brushes are driven hydraulically to provide excellent chip removal from the blade.

6 High Rise Swarf Conveyor

- Carries chips from the base of the saw into an external collection point.

7 Separating System

- Automatic separation of trim cuts and bar.