

B T M N A

ADVANCED BANDSAW TECHNOLOGY | NORTH AMERICA

About BTM

- Produced in Bergamo Italy
- Over 90 different models fitting the majority of Band sawing applications
- World Leader in developing band saw technology
- Continuous development of the product
- Competitive Pricing
- Flexible Manufacturing

BTM Production Facility

270,000 square ft. plant in Bergamo, Italy



BTM Production Facility

Capable of large scale production, producing over 5,000 units in a peak year.

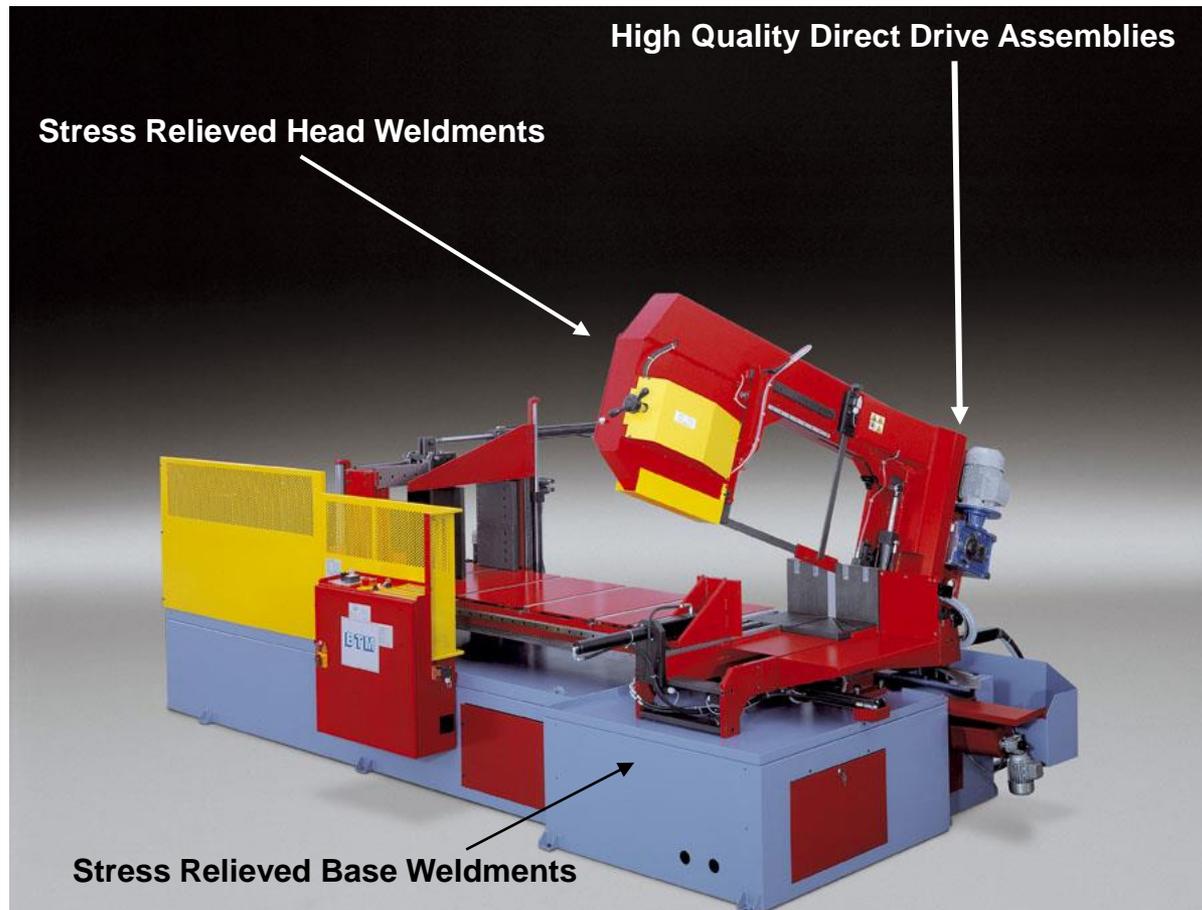


BTM Competitive Advantages

- World leader in advancing bandsaw machine design
- Enhanced performance and reliability with quality components
- Unique solutions to everyday applications
- Ability to custom build to meet end users needs
- Easy access to inexpensive replacement parts
- Better cutting and longer blade life
- More Thru put than comparable machines

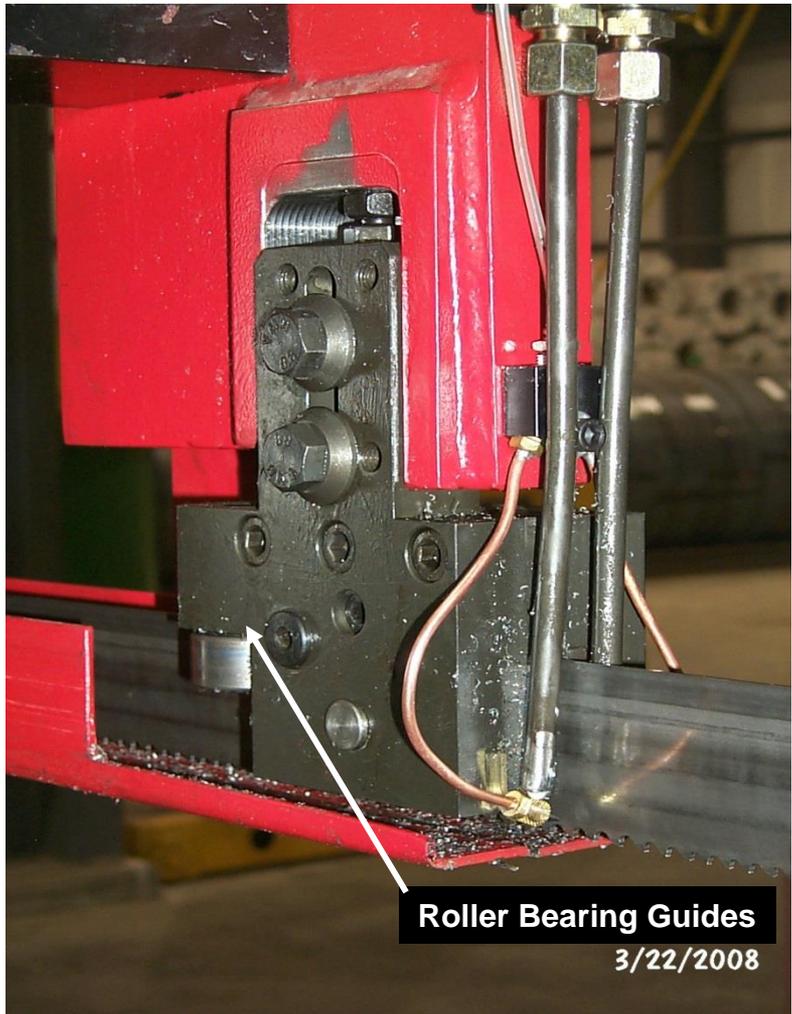
BTM Design Strengths – Quiet Cutting, Premium Blade Life

- Stress Relieving of major weldments
- Assemblies are heat stress relieved.
- Eliminates all stress and allows it to absorb cutting vibrations



BTM Design Strengths – Blade Guides - Quiet Cutting, Premium Blade Life

- Every machine has 2 sets of roller guides to keep the blade straight between the carbide guides, eliminating blade twist pressure on the carbides, preventing uneven carbide wear
- Precision machined carbide guide blocks
- Guide Blocks Adjustable (Hardened Roller replaces upper carbide on premium machines)



BTM Design Strengths – Touch Screen Controller

- Automatic cutting parameters – operator selects type & size of material,
- Automatic blade break in function & Blade Deviation system
- Controller compensates for blade wear
- Machine adjusts feed & speed, continuously adjusting through the cut

The screenshot displays the BTM Touch Screen Controller interface. At the top left, 'Material' is set to 'A500' and 'GROUP' is '3'. A 'PROGRAMS LIST' window shows the selected program 'TEST'. The main control area is divided into sections for material dimensions and cutting parameters. On the left, there are icons for different material shapes: a rectangle (highlighted in green), a hatched rectangle, a circle, and a hatched circle. The '1-HEIGHT' is 3.000 with a 'Vertical PCS Nr.' of 5. The '2-WIDTH' is 3.000 with a 'Horiz PCS Nr.' of 6. The '3-TICKNESS' is 0.250. A central diagram shows a rectangle with dimensions 1 (height), 2 (width), and 3 (thickness). To the right, a table lists cutting parameters:

	LENGTH	NR. OF CUTS	NR. CUT DONE
1	1.000	1	0
2	2.000	1	0
3	3.000	1	0

Below the table, 'TOTAL CUTS' is 170. On the right, there are buttons for 'Clear Cut' and 'MORE CUT LINE'. At the bottom, there are several status indicators: 'Hexagonal Jaw OFF', 'Bundle Cutting ON', 'Unloading ON', 'Auto Zero Set OFF', 'Perform Trim-Cut', and 'Don't count first cut'. A 'TRIM CUT UNLOAD ON' indicator is also present. At the very bottom, there are icons for 'SPECIAL FEATURES' and a right-pointing arrow.

BTM Parts Supply



Manual Small Machines

- Capacity from 6" up to 11" x 16"
- Gravity feed or pull down
- Single Miter to 60 degrees
- Double Miter 60 degrees left 45 degree right
- 15 different variations



Semi Automatic Small Machines

- Capacity 10" to 16"
- Hydraulic Down feed
- Single Miter to 60 degrees
- Double Miter 45 left and 60 right
- 18 different variations



Fully Automatic Small Machines

- Capacity 10" to 11" x 16"
- 3 sizes that are straight cut off
- 4 sizes that single miter to 60 degrees
- 1 size that double miters and is fully programmable



Standard Duty Machines – Mid to Large size

Double Column Chip / Fabricating Machines straight cut off

- **61.41 SA / 61.41 AF 800** 24”w x 16” h / 16” dia. / 1 ¼” blade / 31” or 10’ bar feed
- **71.51 SA / 71.51 AF 800** 28”w x 20” h / 20” dia. / 1 1/2” blade / 31” or 10’ bar feed
- **81.61 SA / 81.61 AF 800** 31.5”w x 24” h / 24” dia. / 1 1/2” blade / 31” or 10’ bar feed
- **100.80 SA / 100.80 AF** 39”w x 31.5” h / 31.5” dia. / 2” blade / 31” or 10’ bar feed
- **120.100 SA** 47”w x 39” h / 39” dia. / 2” blade



Product Overview - Medium Duty Machines



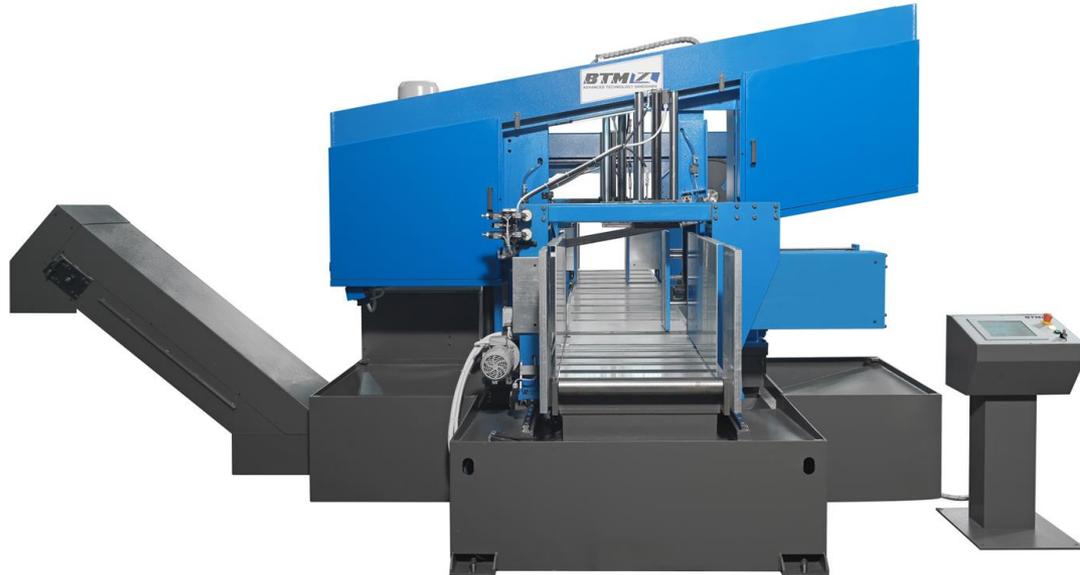
360 CNC
14" x 14"



460 CNC
18" x 18"

Product Overview - Premium Machines – Mid to Large size

- Semi-auto & Fully-automatic models
- Fabricated head & base assemblies heat stress relieved removing weldment stresses that would otherwise contribute to cutting vibrations; Decreasing cutting noise & Improving blade life
- Advanced controllers; provide material library, operator selects size & type of material, machine calculates feeds & speeds automatically through entire cut. Includes blade control sensing (deviation) & automatic blade break-in
- Fabricating Size range from 19" w x 13" h (13" diameter) to 51" w x 31" h (31" diameter)



Product Overview - Premium Machines – Mid to Large size

Fixed Head (90 deg.), Single & Double Mitering machines (60 deg / 60 deg)

Double Column, Straight & 10 deg. Cant head models

Standard 10' bar feed, Optional 15'

Optional Automatic Double Mitering available



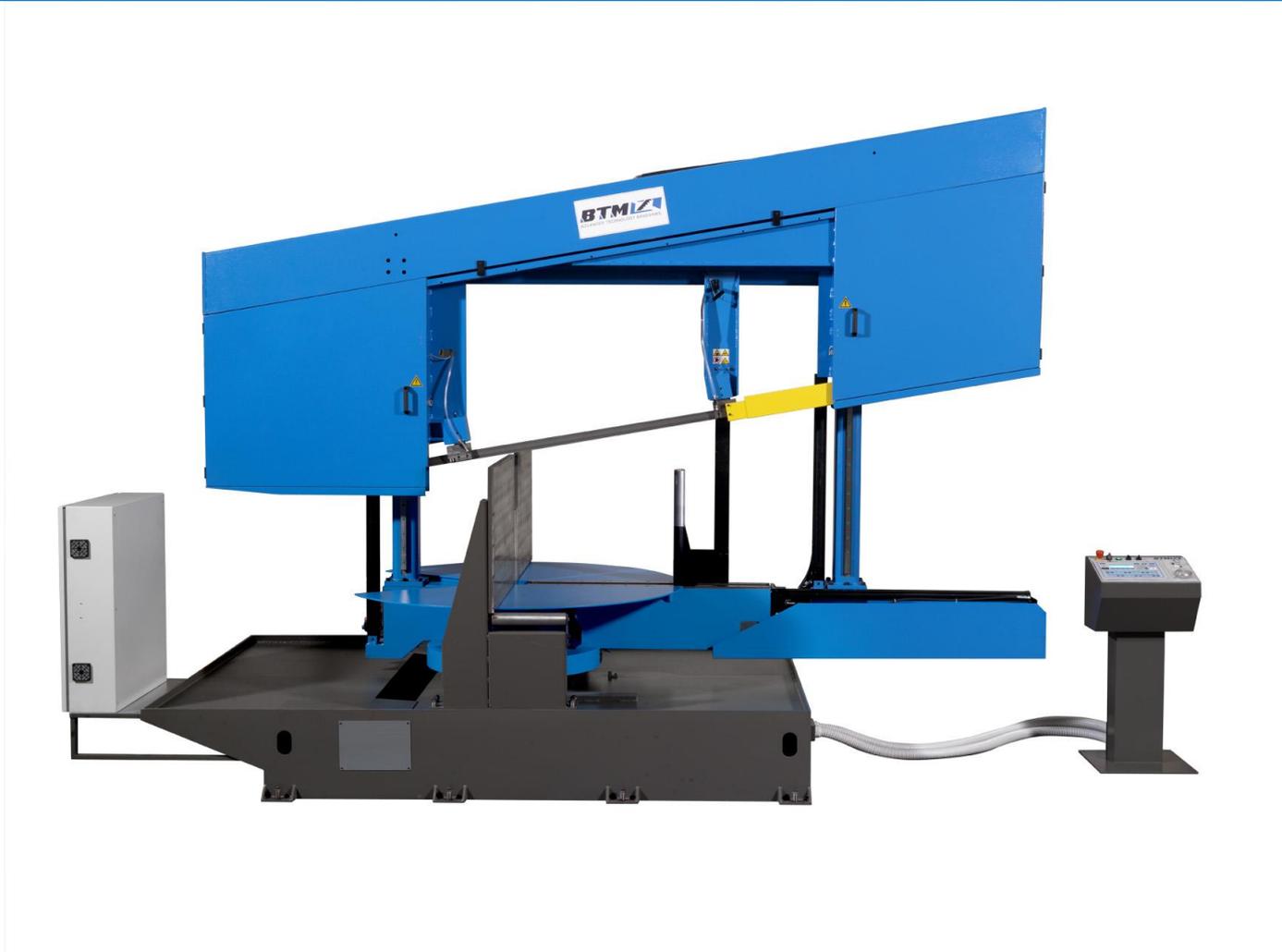
Product Overview - Premium Machines – Mid to Large size

Chip Industry Size range from 13” square & round, to 80” square & round

Excellent for cutting difficult to cut & exotic materials



Product Overview - Premium Machines – Fabricating



□ **60.40 SA / 60.40 CNC**

23.5" w x 16" h / 16" round / 1 ¼" blade

□ **70.50 SA / 70.50 CNC**

27.5" w x 20" h / 20" round / 1 ½" blade

□ **100.80 SA / 100.80 CNC**

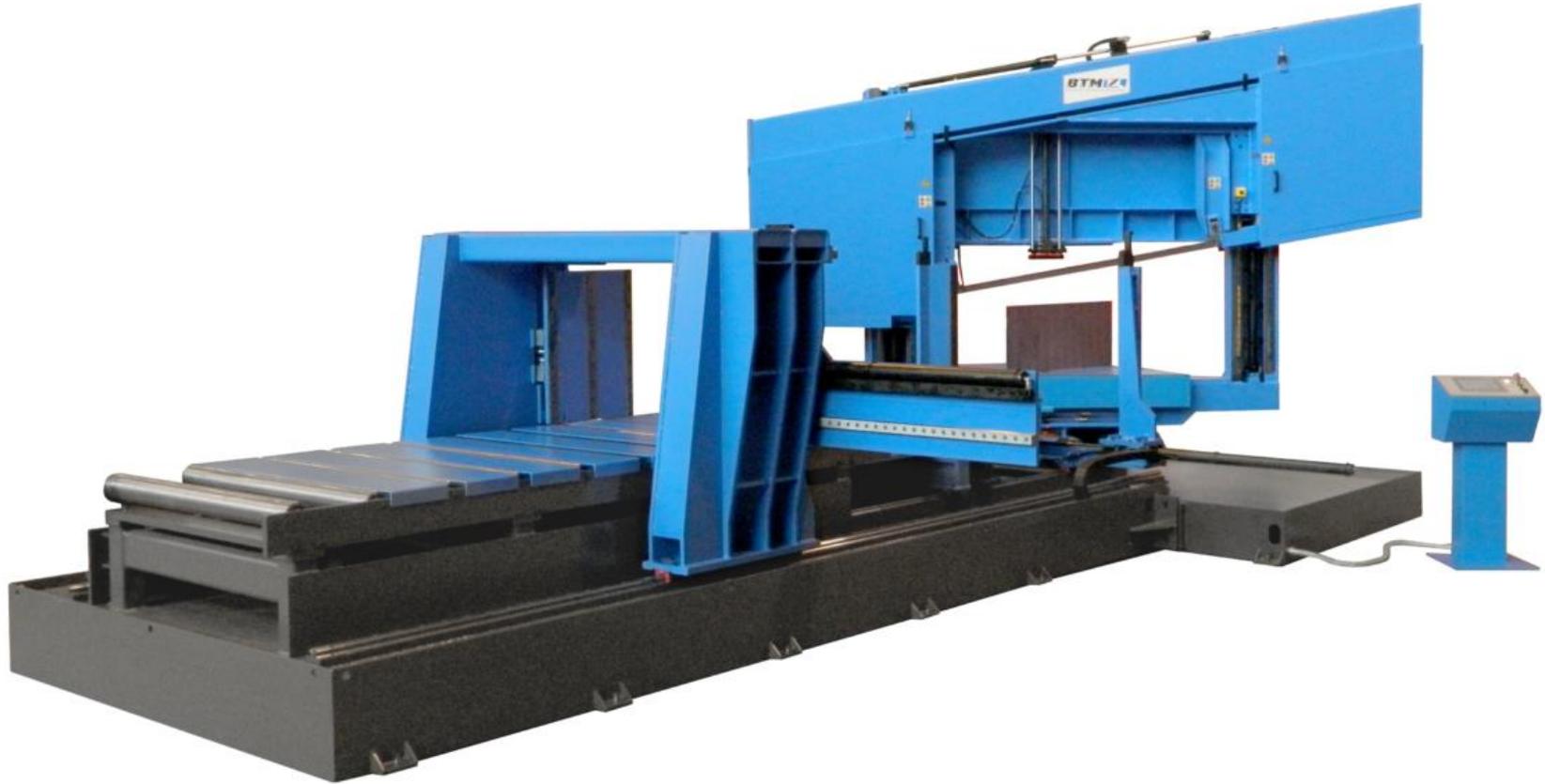
39" w x 31.5" h / 31.5" round / 2" blade

□ **130.80 SA / 130.80 CNC**

51.5" w x 31.5" h / 31.5" round / 2" blade

Product Overview - Premium Machines – Fabricating

Steel Service Center Series Model – 130.80 CNC 5000 (15' Barfeed) 51" w X 31" h





Designed to cut difficult to cut & exotic material

Double Column CNC – with Automatic Cutting Parameters - Models

- | | | | |
|-------------------------|--------------------------------------|-------------------------|--------------------------------------|
| □ <u>620 SA</u> | 24"square / 24" round / 2" blade | □ <u>420 CNC</u> | 16"square / 16" round / 1 1/2" blade |
| □ <u>720 SA</u> | 28"square / 28" round / 2 5/8" blade | □ <u>540 CNC</u> | 20"square / 20" round / 1 1/2" blade |
| □ <u>860 SA</u> | 33"square / 33" round / 2 5/8" blade | □ <u>620 CNC</u> | 24"square / 24" round / 2" blade |
| □ <u>1000 SA</u> | 39"square / 39" round / 3" blade | | |

Above Models all with 23.5' bar feed

Product Overview - Premium Machines – Chip Industry

Double Column CNC – with Automatic Cutting Parameters - Models

□ **720 CNC** 28”square / 28” round / 2 5/8” blade

□ **860 CNC** 34”square / 34” round / 2 5/8” blade

□ **1000 CNC** 39”square / 39” round / 3” blade

□ **1250 CNC** 49”square / 49” round / 3” blade



Model 720 CNC



Installation at Dorssers Inc.

2 x 830 CNC

1x 540 CNC

Cutting 30" stainless bars

Summary – A Unique Opportunity

Advanced Engineering Program – most advanced machines

Widest Product Offering of any Bandsaw Supplier

Products to fit almost all customer applications

