

AMADA MACHINE TOOLS AMERICA, INC.



THE VISION OF PRECISION

Chip Compactor Series



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Amada Machine Tools America



With more than 70 years of industry experience, Amada Machine Tools America is committed to helping our customers deliver dependable service and top-quality work with exceptional sawing solutions.

Whatever your sawing needs, we have the right solution for your specific application.

Market-Leading Quality—We believe quality work begins with quality tools designed and built from the ground up to deliver outstanding performance, time after time.

Customer-Driven Innovation—Every feature, function, and configuration we offer has been developed to address the needs of our customers.

Proven Accuracy—We help you take your work to the next level and exceed your customers' expectations.

Reliable Productivity—We understand productivity is the heart of your business, and we can help you optimize it in multiple ways.

A History of Cutting-Edge Manufacturing

Amada Machine Tools was founded on the manufacturing of saws back in 1946. Since that time, our goals have always been to provide our customers with increased productivity and reliability.

And, as technology has evolved, we've embraced CNC automation as a core strength, improving throughput and helping new operators become productive more quickly.

Today, we are uniquely positioned to help you expand your capabilities and grow your business.

Solutions Designed Around Customer Needs

No two customers' needs are exactly alike. Finding the right solution means thoroughly understanding your objectives and configuring a solution to match them precisely. Our engineers bring decades of industry experience to help you achieve your specified goals with a process that fits—and enhances—your workflow.

TECHNOLOGIES OF AMADA



GRINDING



MILLING



SAWING

Amada Sawing Technology



A Perfect Match with Amada Blades

Amada also offers another unique advantage in that we manufacture our own bandsaw blades. This allows you to precisely match the characteristics of the blade to the machine to achieve optimum cutting performance, no matter what material you're working with.

Because we manufacture our own blades, we're able to ensure we've got the right blades—in stock—when you need them. And we have expert engineers with years of industry experience on staff to answer any questions you might have.

Finding the Right Solution

No matter what kind of sawing capabilities you need, these machines deliver the proven quality and accuracy that have made Amada the trusted choice for productivity and reliability.

Series	Description
CTB	CNC-controlled horizontal bandsaws designed for carbide-tipped blades
DYNASAW	Dynamic, high-performance bandsaw machines
H	Highly rigid horizontal bandsaws for a wide range of cutting tasks
HA	Semi-automatic horizontal bandsaws
HFA	Fully automatic horizontal bandsaws
HK	Miter-cutting bandsaws for structural steel sections
HKB	NC bandsaws for bundled tubes, solids, and structural materials
PCSAW	Horizontal bandsaws with Amada's revolutionary pulse cutting technology
VM	Vertical bandsaws for cutting blocks and plates
CMB	Circular saws with exceptional surface finishing
SCP	Automated chip compactor



SAWING TECHNOLOGY

Saws

Throughout the steel processing world, the Amada name is known for quality and dependability. Our lineup of industry-leading saws brings a host of innovations designed to improve your productivity. From operator-friendly controls and intuitive CNC software to our patented pulse-cutting technology that offers dramatically improved cutting times while improving blade life, you can count on Amada



SAWING TECHNOLOGY

Chip Compactor

Amada offers a range of optional products, service products and other machines—such as pipe cutters and chip compactors—that enhance our saws' performance and longevity. They also help you maintain a cleaner environment and utilize resources and materials more efficiently. Visit our website at www.amadamt.com to see the complete lineup.

SCP103H



SCP103H Automatic Chip Compactor

Equipped with a 100-ton ram, this powerful compactor can reduce the area required for chip storage by up to 5:1 (for grinding swarf) and up to 20:1 (for machining chips). This yields significant space savings and reduced transportation costs for scrap haulers. It can also deliver greater value by improving yields when recycling the material.



Aggressive Auger Design for Efficient Processing



Large Hopper Capacity



Highly Compacted Chips

Features

>5% Fluid Remains—Fluid retrieval rates from Amada chip compactors are greater than 95%. Compaction reduces waste and environmental hazards, and contributes to a safer and cleaner workplace.

Increased Efficiency—With the unique cross vertical and horizontal augers, the compactor can feed various shapes of chips smoothly in the compaction chamber. This design eliminates “bridging” or chip cavities in the hopper.

Operator Safety—The machine is equipped with a safety interlock switch that controls the hopper, augers, and discharge. The auto-shutoff feature turns the compactor off when the hopper is empty, which contributes to a safer work environment, reduces energy consumption, and improves machine longevity.

Optional Accessories

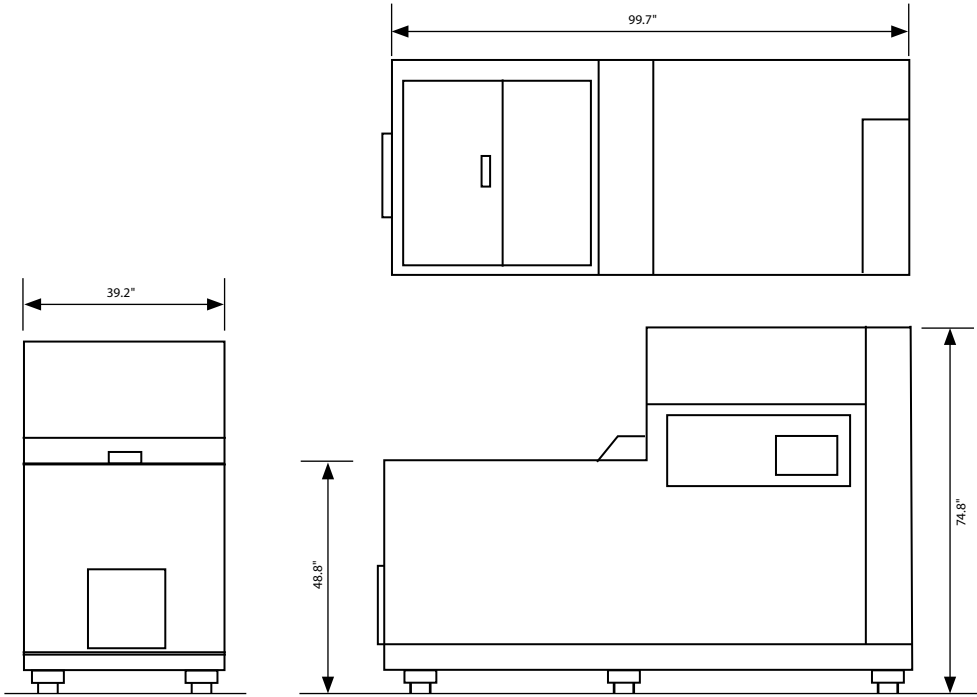
- 55-gallon extension hopper
- Chip conveyor system (inlet/outlet)

SCP103H

SCP103H Machine Specifications

APPLICATION	Application	Cast iron, copper, bronze, stainless steel	
	Suitable chips for compaction	Chip, curled	
	Press force	110 US tons	100 metric tons
	Compacted briquette size (diameter)	3.15"	80 mm
	Compaction pressure	200 MPa at 3.15" dia. (29,008 psi)	200 MPa at 80 mm dia. (2039 kgf/cm ²)
	Hopper capacity	26.4 gal	100 liters
MOTORS	Hydraulic motor	10 HP	7 kW
	Screw motors	Vertical 1 HP	Vertical 0.75 x 4 kW x P
		Horizontal 1/2 HP	Horizontal 0.4 x 4 kW x P
POWER REQUIREMENTS	Power supply voltage	AC220 ± 10%, 3 PH, 60 Hz (all other voltages require transformer)	
	Power requirement	8.2 kVA	
DIMENSIONS AND WEIGHT	Machine dimensions (W x L x H)	39.1" x 99.6" x 74.7"	995 x 2531 x 1897 mm
	Machine weight	46.9"	1187 mm
	Hopper height	4410 lb	2000 kg

Floor Layout



See Amada Saws at Work



The AMTA Technical Center was created to provide a unique atmosphere for visitors to experience the latest manufacturing technology in action. This stunning 40,000-square-foot facility houses the latest Amada technology in each product group. Much more than just an exhibit, every machine, automation accessory, and software program in the facility is fully operational and ready to empower customers to solve their most challenging manufacturing applications.

Specifications, appearance and dimensions are subject to change without notice at the sole discretion of Amada's Engineering Department.

There may be differences between the specifications described in this catalog and the Amada products actually shipped. Please ask our staff for more detail.

The products in the catalog may be subject to the provisions of foreign exchange and the Foreign Trade Law. When exporting cargo subject to such controls, permission pursuant to regulation is required. Please contact our business representative in advance when exporting products overseas.

When using our products, safety equipment is required depending on the operational task.

For safe and correct operation, ensure thorough reference to the Instruction Manual prior to operation.

The cutting performance data in this catalog may be affected by temperature, the cutting materials, tool materials, and cutting conditions, etc. Please note that such data are not guaranteed.

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