AMSAW®

the PIONEERS in carbide sawing

INTRODUCING THE AMSAW® P-SERIES

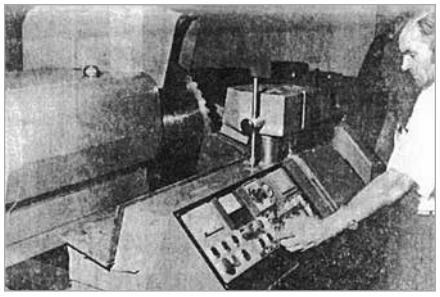
FLEXIBLE | FAST | PRODUCTIVE

AMSAW® Metalcut SPEEDCUT REMAC WAGNER Ersatzteilversorgung GmbH WAGNER Bandsägen

SERVING THE INDUSTRY FOR OVER 45 YEARS

In 1969, Advanced Machine & Engineering Co. (AME) developed the first circular carbide saw for steel cutting billets on the world market. The circular carbide saw was developed for METALCUT and revolutionized the steel cutting technology, cutting 8 times faster than band saws and 4 times faster than circular high speed steel saws.

Wagner followed a few years later. SPEEDCUT was founded in 1981 and developed a new carbide tooth geometry to lower vibrations. Today, AMSAW, METALCUT, SPEEDCUT, REMAC, and WAGNER ERSATZTEILVERSORGUNG GMBH are one team building precision carbide saws in Rockford, Illinois and Reutlingen, Germany for the global market. We have built hundreds of standard and special automatic systems to saw ferrous and non-ferrous material for our customers all over the world.



Willy Goellner operating the first standard METALCUT 12 production saw in the world market. (Rockford Newspaper article, August 18, 1970)

The AMSAW® 350P saw system reduces blade vibration with three blade stabilizers.

Extremely thin trim cuts and remnant pieces reduce scrap.

Integrated telescopic swivel hoist and simplified components provide for quick, 5-minute blade changes.

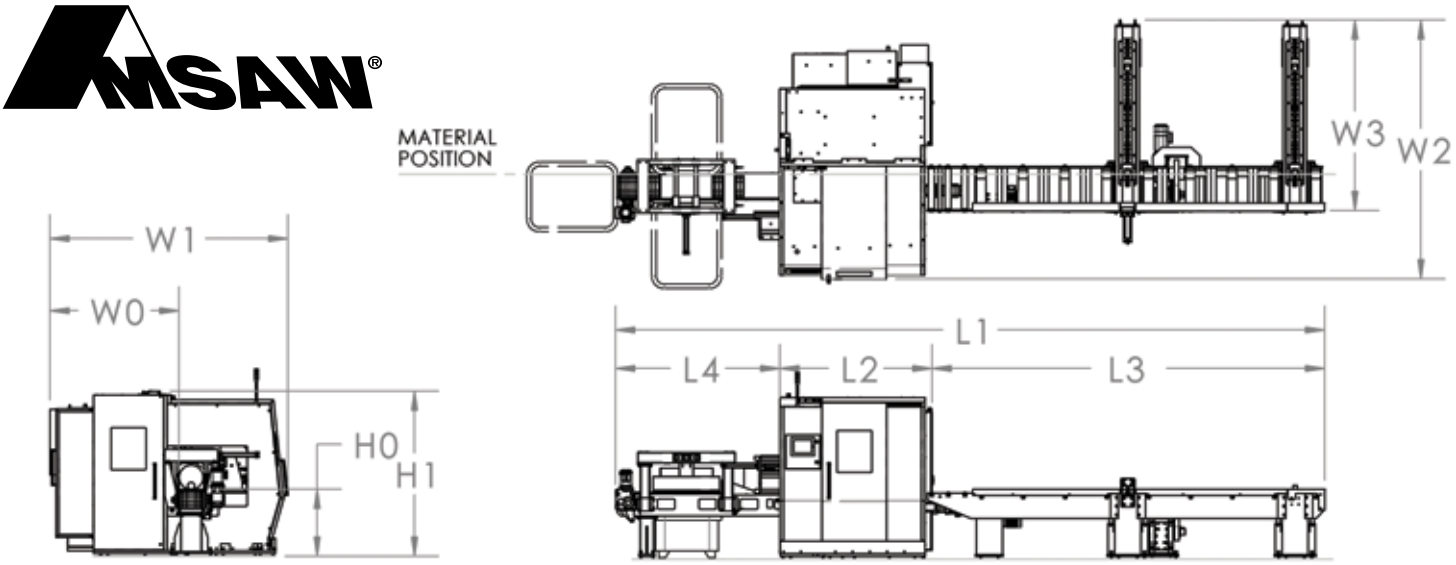
Clean and convenient component layout for easy maintenance.

Automatic sorting of different cutoff lengths into 3 to 6 selective bins.

ADVANCED SAWING TECHNOLOGY OFFERS UNIQUE SOLUTIONS

- Simple design allows for easy access while maintaining rigid construction.
- Utilizes a smaller diameter blade to lessen the cost per cut.
- User friendly automatic controls.
- Material separation when retracting blade.
- 5 minute blade and accessory change.
- Extremely short trim cut and remnant scrap ends.
- Automatic sorting of different cutoff lengths into selective bins.
- Unique bar lifting over a fixed bottom and side jaws when transferring bar through the fixture.
- Less than 80 seconds of cut time for a 350mm (14") alloy steel billet due to vibration dampening methods.
- Special machines for the general Industry.
- Saws for the non-ferrous industry.
- Complete turnkey systems with total responsibility for machines and tools.
- Standard and special carbide saw blades.
- Resharpening of used carbide saw blades.
- Re-engineering and rebuilding of old saws, machines, and equipment.

STANDARD P-SERIES AMSAW® MODELS (UP TO 350MM/14" STOCK SIZE*)



	SPECIFICATION	AMS 125	AMS 180	AMS 250	AMS 350
Cutting Capacity	Round & Square Stock - mm (")	25 (1.0) - 125 (5.0)	38 (1.5) - 180 (7.0)	75 (3.0) - 270 (10.75)	125 (5.0) - 355 (14)
	Stock Bar Length Max. - m (ft.)	6.0 (20)	6.0 (20)	6.0 (20)	6.0 (20)
	Cutoff Length - mm (")	8 (0.3) - 1000 (39.4)	8 (0.3) - 1000 (39.4)	16 (.75) - 760 (30)	16 (.75) - 760 (30)
	Remnant End Length - mm (")	16 (.75)	25 (1.0)	38 (1.5)	38 (1.5)
Circular Saw Blade Carbide/Cermet Tipped	Min. blade diameter - mm (")	280 (11)	360 (14)	610 (24)	660 (26)
	Max. blade diameter - mm (")	406 (16)	600 (23.6)	990 (39)	1120 (44)
	Blade pilot diameter - mm (")	50 (1.969)	80 (3.150)	100 (3.936)	100 (3.936)
	(2) Drive pins diameter - mm (")	16 (0.629)	18 (0.709)	30 (1.181)	30 (1.181)
	Drive pins placement diameter - mm (")	80 (3.149)	120 (4.724)	200 (7.873)	200 (7.873)
Cutting Information	RPM variable by inverter (1/min)	69 - 209	33 - 99	29 - 88	24 - 70
	Feed rate by servo driven ball screw** mm/min ("/min)	0 - 2000 (0 - 80)	0 - 1800 (0 - 70)	0 - 750 (0 - 30)	0 - 600 (0 - 25)
Bar Feed (Indexing)	Max feed rate forward - m/min ("/min)	30 (1200)	20 (800)	15 (600)	15 (600)
	Repeatability - mm (")	0.05 (0.002)	0.05 (0.002)	0.07 (0.003)	0.07 (0.003)
Opt. min. coolant	Micromist tank capacity - liter (oz)	0.23 (8)	0.23 (8)	0.23 (8)	0.23 (8)
Saw Motor	kW / HP	15 / 20	30 / 40	45 / 60	55 / 75
Hydraulics	kW / HP / bar (PSI)	3.7 / 5 / 103 (1500)	3.7 / 5 / 103 (1500)	7.5 / 10 / 103 (1500)	7.5 / 10 / 103 (1500)
	Tank capacity - liter (gal)	80 (20)	150 (40)	150 (40)	150 (40)
Electricals	Power Supply - V / Phase / Hz (USA)	480 / 3 / 60	480 / 3 / 60	480 / 3 / 60	480 / 3 / 60
Floor Space Machine	Feed roller height H0 - m (ft)	1.0 (3.3)	1.0 (3.3)	1.0 (3.3)	1.0 (3.3)
	Machine height H1 - m (ft)	2 (6.6)	2 (6.6)	2.4 (7.9)	2.4 (7.9)
	Total length L1 - m (ft)	8.5 (28.9)	9.4 (30.8)	10.3 (33.8)	10.3 (33.8)
	Machine length L2 - m (ft)	1.7 (5.6)	2 (6)	2.2 (7.2)	2.2 (7.2)
	Load table length L3 - m (ft)	4 (13)	4.6 (15)	5.7 (18.7)	5.7 (18.7)
	Exit conveyor length L4 - m (ft)	2.8 (9.2)	2.8 (9.2)	2.4 (7.9)	2.4 (7.9)
	Material position W0 - m (ft)	1.2 (3.9)	1.3 (4.3)	1.8 (5.9)	1.8 (5.9)
	Machine width W1 - m (ft)	1.4 (4.5)	2.1 (6.9)	3.5 (11.4)	3.5 (11.4)
	Total width W2 - m (ft)	1 (3.3)	3.4 (11.2)	3.8 (12.4)	3.8 (12.4)
	Load table width W3 - m (ft)	2.1 (6.8)	2.5 (8.2)	3.3 (10.8)	3.3 (10.8)
Weight (Approx)	Machine - kg (lbs)	3173 (7000)	4909 (10800)	7364 (16200)	9227 (20300)
	Load Table - kg (lbs)	845 (1860)	1661 (3660)	3173 (7000)	3173 (7000)
Accessories	Standard PLC control system, Touch screen HMI, Servo Motor & Ball Screw for Indexing and for Saw head feeding, Variable Blade-Speed				
	by Inverter, Blade Cleaning Wire Brush, Blade Stabilizer 180 Degrees and 90 Degrees, Auto Lubrication System, Hydraulic Clamping arrangement, Multi-Indexing				
Options	Front blade stabilizer, material size verification, lift roller, bent bar mechanism, load table, chip conveyor, exit conveyor, pick and place assembly, mist collector				

*For larger, heavier slide saws see our AMSAW® 350/450/600 S-series brochure ** Cutting feed rate depending on material specification Custom saw blade mounting also available per customer request

YOUR MATERIALS + YOUR SPECIFICATIONS + OUR INNOVATIONS =

OUR TURNKEY, CUSTOMIZED SOLUTION

www.amsaw.com

AMSAW® 125P

Fully automated for high production automotive application.

AMSAW® 180P

Fully automated saw with infeed system, bar measuring and spot drilling for agricultural part production.

AMSAW® R300P

Rail saw drill processing line for the railroad industry at AME's Rockford, IL facility.

AMSAW® 450S

Large saw for cutting high alloy steel.

AMSAW® 600S

Heavy duty system for sawing bars up to 600mm diameter. Includes automated bar handling system for both infeed and exit side.

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