



# SAWS

ECO, FAB, SMART, GENIUS, CLD  
SERIES **SAWS**





Some of the Revolution Machine Tools Team

## ABOUT REVOLUTION MACHINE TOOLS

Revolution Machine Tools (RMT), founded by long time industry leader Kyle Jorgenson, is a metal fabrication machine tools company. RMT's design team has created the most innovative and precise tools in the North American market today. We are partners with leading manufacturers who build our designs to our stringent specifications in state of the art manufacturing facilities.

Kyle Jorgenson started in the Machine Tool industry working with his father, Roger Jorgenson, who founded Jorgenson Machine Tools in 1974. Roger taught Kyle how important relationships and customer service are, and Kyle has built his reputation on those principles. Revolution Machine Tools is supported by an ever expanding team of industry professionals, which include design, marketing, service and support, who have these same values and respect Kyle's vision. Together, they are creating a revolution in the Machine Tool industry.

RMT's main focus is in large cutting, forming, and rolling machines for the metal fabrication industry. RMT's research and development team has created the most innovative, fast, durable and accurate machines in the industry. Our machines are all backed by a strong warranty and an outstanding service team dedicated to keeping your machines operational. We understand the time value of money and how expensive downtime can be.





## PRE-SALE CONSULTATION

RMT's commitment to service begins with our site assessment consultation, before we even discuss purchasing equipment. We start by making an assessment of your production area to determine whether the equipment will work well in your manufacturing environment. We look at where the equipment will be placed on the production floor, how it will be brought into the facility, and even ways to make the disposal of scrap and waste easier to remove. We will also recommend the proper installation of our equipment, or we can even come install it for you. More importantly, we can verify adequate electrical, pneumatic or hydraulic requirements and we look at the surrounding equipment to assess if there are any electro-magnetic or vibration interference issues.



We do all of these things because:  
**We take pleasure in helping make our customers businesses more successful.**  
**Many of our customers have become life long friends that have carried over to several generations.**



# REVOLUTIONARY SERVICE

## QUALIFIED SERVICE TECHNICIANS

Join the Revolution with service technicians from Revolution Machine Tools that can maintain, troubleshoot and fix your machines. Our goal at RMT is to ensure our customers experience smooth operations and greater return on investment by having their machines repaired and maintained by qualified personnel who are committed to the customer's success.

The service team at Revolution Machine Tools is experienced and able to diagnose, repair and install your equipment when you need it. Twenty-four hours a day, you will reach a live service technician 365 days out of the year. We know that you can't wait for days or weeks to keep your production deadlines, and we are committed to minimizing your downtime and keeping your manufacturing processes moving forward.

## PREVENTATIVE MAINTENANCE PROGRAM

Keeping your machines operating at their peak performance is key to successful manufacturing. At Revolution Machine Tools, we have the right preventative maintenance plan to fit your needs; thus, keeping your machines performing at their most efficient levels.



Our service technicians will create the perfect preventative maintenance plan for you. They will evaluate your machines, and provide you with a customized maintenance plan. Each plan will include general maintenance, safety evaluations, suggested repairs and part replacement.

## SERVICE WHEN YOU NEED IT

Twenty-four hours a day, seven-days a week, you can count on Revolution Machine Tools to be there when you need them. How many times have you needed customer service for a machine breakdown? Each and every breakdown equates to a loss in opportunity cost and profit. At Revolution Machine Tools, we are committed to making sure you get the most out of your equipment, and when it does breakdown, providing repair services in a timely manner.

So, if you are in need of a troubleshooting or repair, you can call our service team anytime, 24-hours a day/7-days a week. Anytime you run into a machine problem, you can reach a service technician by phone or e-mail and we will answer or respond.. You don't need help in two days, you need it now.



SERVICE HOTLINE

**844-RMT-SERV (768-7378)**

SERVICE@RMTUS.COM

# PARTS & TOOLING



## SUPERIOR PARTS AND TOOLING

Every machine used in the chipping, fabrication and forming of metal has consumables and tooling to keep them performing efficiently. These consumables and tools range from hydraulic oil, laser nozzle tips, replacement parts, software and more. Making sure you have the right products to take care of your machines is what we at Revolution Machine Tools specialize in. We stock the highest grade consumables, replacement parts and tooling to fit your needs; and, if on the rare occasion we don't have the part, we most likely know where to find it.

Our parts and tooling department is constantly looking for ways to maximize the potential of your machines. Specialized tooling can be ordered and shipped to your location. We have qualified customer service representatives who can help you find solutions and answers to your manufacturing needs.

Revolution Machine Tools and its staff are committed to providing you the most effective service possible. We encourage you to call, even if we don't carry your brand of machine, and see if we can support you in making sure you have the right parts and tooling to fulfill your production goals and needs.



*Talip, Parts and Tooling Manager*

## REPLACEMENT PARTS AND ACCESSORIES



**REPLACEMENT BLADES**



**LUBRICATION**



**MACHINE PARTS**



# BAND SAW SERIES



## ECO SERIES

### Manual Bandsaws

Single Miter See page 6

Double Miter See pages 4, 5



## FAB SERIES

### Semi Automatic Bandsaws

Straight Cut See page 17

Single Miter See pages 7, 12, 15, 16

Double Miter See pages 6, 8, 9, 10, 11, 13, 14



## SMART SERIES

### Automatic Bandsaws

Straight Cut See pages 18, 20, 20, 22, 23, 24

Single Miter See pages 21, 25

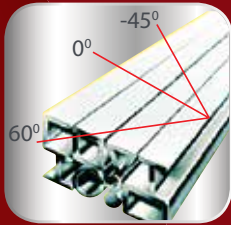


## GENIUS SERIES

### CNC Bandsaws

Straight Cut See pages 26

# S-ECO PDM 9-12



Manual Pivot Type Double Miter Bandsaw

S-ECO PDM 9-12		Metric	US
Capacity at 0°	Round	229 mm	9" in
	Flat (H x W)	130 x 320 mm	9" x 12" in
	Square	229 mm	9" in
Capacity at 45°	Round	229 mm	9" in
	Flat (H x W)	229 x 203 mm	9" x 8" in
	Square	203 mm	8" in
Capacity at 60°	Round	140 mm	5.5" in
	Flat (H x W)	229 x 140 mm	9" x 5.5" in
	Square	140 mm	5.5" in
Capacity at -45°	Round	180 mm	7.1" in
	Flat (H x W)	100 x 230 mm	3.9" x 9" in
	Square	150 mm	5.9" in
Cutting Speeds		35- 70 m/min	114- 229 ft/min
Band Dims.		2730 x 27 mm	8' 11" x 1" in
Main Motor		1.3 kW	1.75 HP
Hydraulic Motor		- kW	- HP
Weight		415 kg	915 lbs
Machine Dims.	Length	1350 mm	54" in
	Width	700 mm	28" in
	Height	1300 mm	52" in

## STANDARD

- Control Panel
- Blade Brush
- Material Length Stop
- Security Switch
- Hydromechanical Blade Tension
- Coolant Pump
- Variable Speed Inverter

## OPTIONAL

- Inverter
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- Stand
- 4ft Roller Table
- 10ft Roller Table
- 10ft Motorized Roller Table
- Single Phase Power

## STANDARD

- Control Panel
- Blade Brush
- Material Length Stop
- Security Switch
- SITI Heavy Duty Gearbox
- Hydromechanical Blade Tension
- Coolant Pump

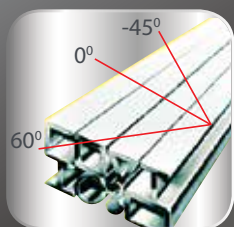
## OPTIONAL

- Inverter
- Dropsa Air/ oil clean lubrication system
- Micromist Cooling
- Stand
- 4ft Roller Table
- 10ft Roller Table
- 10ft Motorized Roller Table



S-ECO PDM 10-14		Metric	US
Capacity at 0°	Round	270 mm	10.6" in
	Flat (H x W)	220 x 350 mm	8.6" x 13.7" in
	Square	270 mm	10.6" in
Capacity at 45°	Round	240 mm	9.4" in
	Flat (H x W)	200 x 270 mm	7.8" x 10.6" in
	Square	170 mm	6.7" in
Capacity at 60°	Round	150 mm	5.9" in
	Flat (H x W)	100 x 150 mm	3.9" x 5.9" in
	Square	100 mm	3.9" in
Capacity at 45°	Round	210 mm	8.3" in
	Flat (H x W)	210 x 270 mm	8.2" x 10.6" in
	Square	180 mm	7.1" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		3160 x 27 mm	10'4" x 1" in
Main Motor		1.5 kW	2 HP
Hydraulic Motor		- kW	- HP
Weight		476 kg	1049 lbs
Machine Dims.	Length	1730 mm	69" in
	Width	770 mm	31" in
	Height	1550 mm	62" in

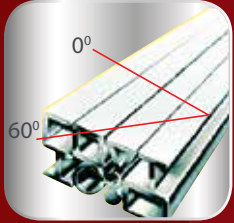
## S-ECO PDM 10-14



Manual Pivot Type Double Miter Bandsaw



# S-ECO PM 12-13



Manual Pivot Type Single Miter Bandsaw

S-ECO PM 12-13		Metric	US
Capacity at 0°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 350 mm	12.6" x 13.7" in
	Square	320 mm	12.6" in
Capacity at 30°	Round	300 mm	11.8" in
	Flat (H x W)	200 x 300 mm	7.8" x 11.8" in
	Square	250 mm	9.8" in
Capacity at 45°	Round	260 mm	10.2" in
	Flat (H x W)	180 x 250 mm	7.1" x 9.8" in
	Square	180 mm	7.1" in
Capacity at 60°	Round	160 mm	6.3" in
	Flat (H x W)	150 x 150 mm	5.9" x 5.9" in
	Square	150 mm	5.9" in
Cutting Speeds	20- 100 m/min	65- 328 ft/min	
Band Dims.	3660 x 27 mm	12' x 1" in	
Main Motor	2.2 kW	3 HP	
Hydraulic Motor	- kW	- HP	
Weight	960 kg	2116 lbs	
Machine Dims.	Length	1900 mm	75" in
	Width	1200 mm	48" in
	Height	1350 mm	54" in

## STANDARD

- Control Panel
- Blade Brush
- Material Length Stop
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Hydromechanical Blade Tension
- Coolant Pump
- 4ft Roller Table

## OPTIONAL

- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

## STANDARD

- Control Panel
- Blade Brush
- Material Length Stop
- Security Switch
- Height Adjustment Switch
- SITI Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- 4ft Roller Table

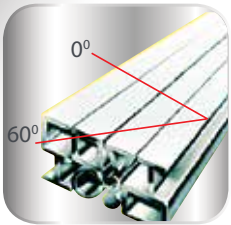
## OPTIONAL

- Hydraulic Vice
- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/ oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

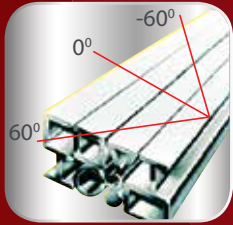


S-FAB PM 12-24		Metric	US
Capacity at 0°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 610 mm	12.6" x 24" in
	Square	320 mm	12.6" in
Capacity at 15°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 580 mm	12.6" x 22.8" in
	Square	320 mm	12.6" in
Capacity at 30°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 510 mm	12.6" x 20" in
	Square	320 mm	12.6" in
Capacity at 45°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 355 mm	12.6" x 13.9" in
	Square	320 mm	12.6" in
Capacity at 60°	Round	260 mm	10.2" in
	Flat (H x W)	200 x 280 mm	7.8" x 11" in
	Square	225 mm	8.9" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		4160 x 34 mm	13'8" x 1.25" in
Main Motor		3 kW	4 HP
Hydraulic Motor		0.37 kW	1/2 HP
Weight		1165 kg	2568 lbs
Machine Dims.	Length	2100 mm	83" in
	Width	1200 mm	48" in
	Height	1350 mm	54" in

## S-FAB PM 12-24



# S-FAB PDM 14-24



Semiautomatic Pivot Type Double Miter Bandsaw

S-FAB PDM 14-24		Metric	US
Capacity at 0°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 610 mm	14.2" x 24" in
	Square	360 mm	14.2" in
Capacity at 30°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 610 mm	14.2" x 24" in
	Square	360 mm	14.2" in
Capacity at 45°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 490 mm	14.2" x 19.3" in
	Square	360 mm	14.2" in
Capacity at 60°	Round	340 mm	13.4" in
	Flat (H x W)	360 x 300 mm	14.2" x 11.8" in
	Square	300 mm	11.8" in
Capacity at -30°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 610 mm	14.2" x 24" in
	Square	360 mm	14.2" in
Capacity at -45°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 490 mm	14.2" x 19.3" in
	Square	360 mm	14.2" in
Capacity at -60°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 360 mm	14.2" x 14.2" in
	Square	360 mm	14.2" in
Cutting Speeds	20- 100 m/min	65- 328 ft/min	
Band Dims.	5000 x 34 mm	16'5" x 1.25" in	
Main Motor	4 kW	5.5 HP	
Hydraulic Motor	0.55 kW	3/4 HP	
Weight	1460 kg	3219 lbs	
Machine Dims.	Length	2750 mm	109" in
	Width	1210 mm	48" in
	Height	1870 mm	74" in

## STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Material Length Stop
- Security Switch
- Height Adjustment Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Anti Vibration Cylinder
- Coolant Pump

## OPTIONAL

- Hydraulic Blade Tension
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

## STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Height Adjustment Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Anti Vibration Cylinder
- Coolant Pump

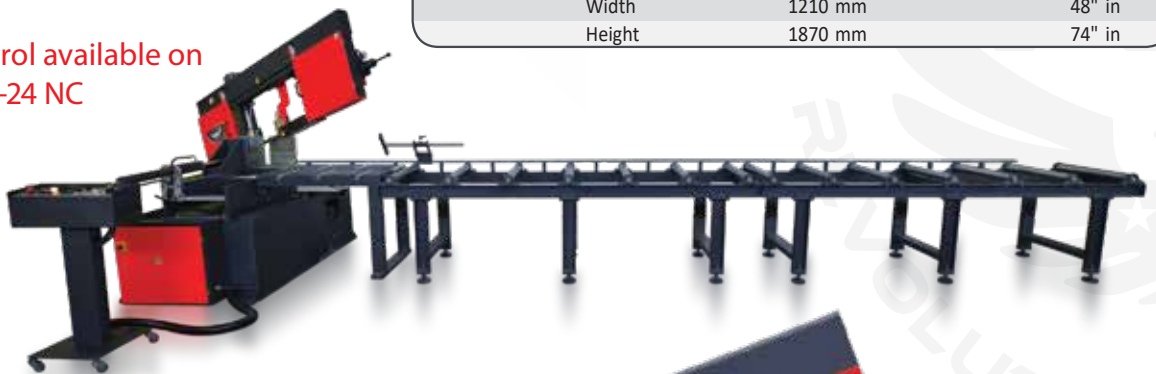
## OPTIONAL

- Control Panel NC
- Hydraulic Blade Tension
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

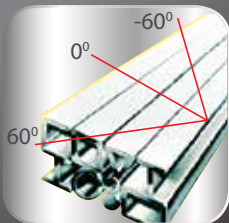


S-FAB PDM 17-24		Metric	US
Capacity at 0°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 610 mm	17.3" x 24" in
	Square	440 mm	17.3" in
Capacity at 30°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 500 mm	17.3" x 19.7" in
	Square	440 mm	17.3" in
Capacity at 45°	Round	410 mm	16.1" in
	Flat (H x W)	440 x 410 mm	17.3" x 16.1" in
	Square	410 mm	16.1" in
Capacity at 60°	Round	320 mm	12.6" in
	Flat (H x W)	440 x 250 mm	17.3" x 9.8" in
	Square	250 mm	9.8" in
Capacity at-30°	Round	440 mm	17.3" in
	Flat (H x W)	440 x 500 mm	17.3" x 19.7" in
	Square	440 mm	17.3" in
Capacity at-45°	Round	410 mm	16.1" in
	Flat (H x W)	440 X 410 mm	17.3" x 16.1" in
	Square	410 mm	16.1" in
Capacity at-60°	Round	320 mm	12.6" in
	Flat (H x W)	440 X 285 mm	17.3" x 11.2" in
	Square	285 mm	11.2" in
Cutting Speeds	20- 100 m/min	65- 328 ft/min	
Band Dims.	5200 x 32 mm	204.7 x 1.25 in	
Main Motor	4 kW	5.5 HP	
Hydraulic Motor	0.55 kW	3/4 HP	
Weight	1540 kg	3395 lbs	
Machine Dims.	Length	2800 mm	111" in
	Width	1210 mm	48" in
	Height	1870 mm	74" in

Numeric Control available on  
S-FAB PDM 17-24 NC

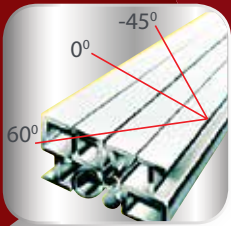


## S-FAB PDM 17-24



Semiautomatic Pivot Type Double Miter Bandsaw

# S-FAB CDM 14-25



Semiautomatic Column Type Double Miter Bandsaw

S-FAB CDM 14-25		Metric	US
Capacity at 0°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 640 mm	14.2" x 25.1" in
	Square	360 mm	14.2" in
Capacity at 30°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 510 mm	14.2" x 20" in
	Square	360 mm	14.2" in
Capacity at 45°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 390 mm	14.2" x 15.3" in
	Square	360 mm	14.2" in
Capacity at 60°	Round	310 mm	12.2" in
	Flat (H x W)	360 x 250 mm	14.2" x 9.8" in
	Square	270 mm	10.6" in
Capacity at -30°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 510 mm	14.2" x 20" in
	Square	360 mm	14.2" in
Capacity at -45°	Round	360 mm	14.2" in
	Flat (H x W)	360 x 390 mm	14.2" x 15.3" in
	Square	360 mm	14.2" in
Cutting Speeds	20- 100 m/min	65- 328 ft/min	
Band Dims.	5000 x 32 mm	16'5" x 1.25" in	
Main Motor	4 kW	5.5 HP	
Hydraulic Motor	1.1 kW	1.5 HP	
Weight	1635 kg	3605 lbs	
Machine Dims.	Length	3000 mm	119" in
	Width	1200 mm	48" in
	Height	1910 mm	76" in

## STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Linear Guide Rails
- Coolant Pump

## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

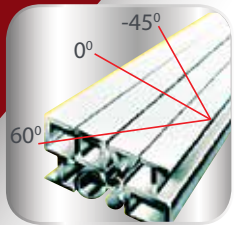
## STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Linear Guide Rails
- Coolant Pump



## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

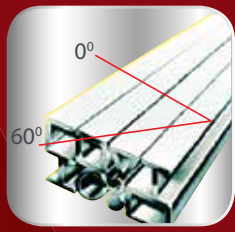


# S-FAB CDM 18-25

S-FAB CDM 18-25		Metric	US
Capacity at 0°	Round	457 mm	18" in
	Flat (H x W)	457 x 640 mm	18" x 25.2" in
	Square	457 mm	18" in
Capacity at 30°	Round	457 mm	18" in
	Flat (H x W)	457 x 510 mm	18" x 20" in
	Square	457 mm	18" in
Capacity at 45°	Round	457 mm	18" in
	Flat (H x W)	457 x 400 mm	18" x 15.7" in
	Square	400 mm	15.7" in
Capacity at 60°	Round	250 mm	9.8" in
	Flat (H x W)	457 x 250 mm	18" x 9.8" in
	Square	250 mm	9.8" in
Capacity at-30°	Round	457 mm	18" in
	Flat (H x W)	457 x 510 mm	18" x 20" in
	Square	457 mm	18" in
Capacity at-45°	Round	390 mm	15.4" in
	Flat (H x W)	457 x 390 mm	18" x 15.4" in
	Square	390 mm	15.4" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		5200 x 41 mm	204.7 x 1.61 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		1780 kg	3924 lbs
Machine Dims.	Length	3100 mm	123" in
	Width	1200 mm	48" in
	Height	1910 mm	76" in



Semiautomatic Column Type Double Miter Bandsaw



# S-FAB CM 21-29



Semiautomatic Column Type Single Miter Bandsaw

S-FAB CM 21-29		Metric	US
Capacity at 0°	Round	540 mm	21.3" in
	Flat (H x W)	540 x 750 mm	21.3" x 29.5" in
	Square	540 mm	21.3" in
Capacity at 30°	Round	540 mm	21.3" in
	Flat (H x W)	540 x 600 mm	21.3" x 23.6" in
	Square	540 mm	21.3" in
Capacity at 45°	Round	510 mm	20.1" in
	Flat (H x W)	540 x 450 mm	21.3" x 17.7" in
	Square	450 mm	17.7" in
Capacity at 60°	Round	270 mm	10.6" in
	Flat (H x W)	540 x 250 mm	21.3" x 9.8" in
	Square	250 mm	9.8" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		6000 x 41 mm	236.2 x 1.6 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		2445 kg	5390 lbs
Machine Dims.	Length	2900 mm	115" in
	Width	1150 mm	46" in
	Height	2130 mm	84" in

## STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Digital Angle Display
- Linear Guide Rails
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Coolant Pump
- 4ft Roller Table

## OPTIONAL

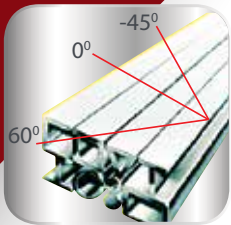
- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

## STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Linear Guide Rails
- Turn Table
- Turn Table Brake
- Proximity Switch for Sensing Blade Slippage
- Coolant Pump

## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line
- Chip Conveyor



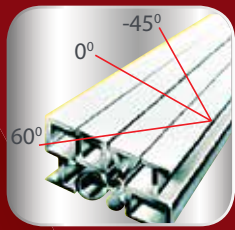
S-FAB CDM 21-32		Metric	US
Capacity at 0°	Round	560 mm	22.0" in
	Flat (H x W)	540 x 820 mm	21.3" x 32.3" in
	Square	540 mm	21.3" in
Capacity at 30°	Round	560 mm	22.0" in
	Flat (H x W)	540 x 705 mm	21.3" x 27.8" in
	Square	540 mm	21.3" in
Capacity at 45°	Round	550 mm	21.7" in
	Flat (H x W)	540 x 550 mm	21.3" x 21.7" in
	Square	540 mm	21.3" in
Capacity at 60°	Round	360 mm	14.2" in
	Flat (H x W)	540 x 360 mm	21.3" x 14.2" in
	Square	360 mm	14.2" in
Capacity at-30°	Round	560 mm	22.0" in
	Flat (H x W)	540 x 705 mm	21.3" x 27.8" in
	Square	540 mm	21.3" in
Capacity at-45°	Round	550 mm	21.7" in
	Flat (H x W)	540 x 550 mm	21.3" x 21.7" in
	Square	540 mm	21.3" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		6800 x 41 mm	267.7 x 1.61 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		3200 kg	7055 lbs
Machine Dims.	Length	3800 mm	150" in
	Width	1750 mm	69" in
	Height	2350 mm	93" in

## S-FAB CDM 21-32

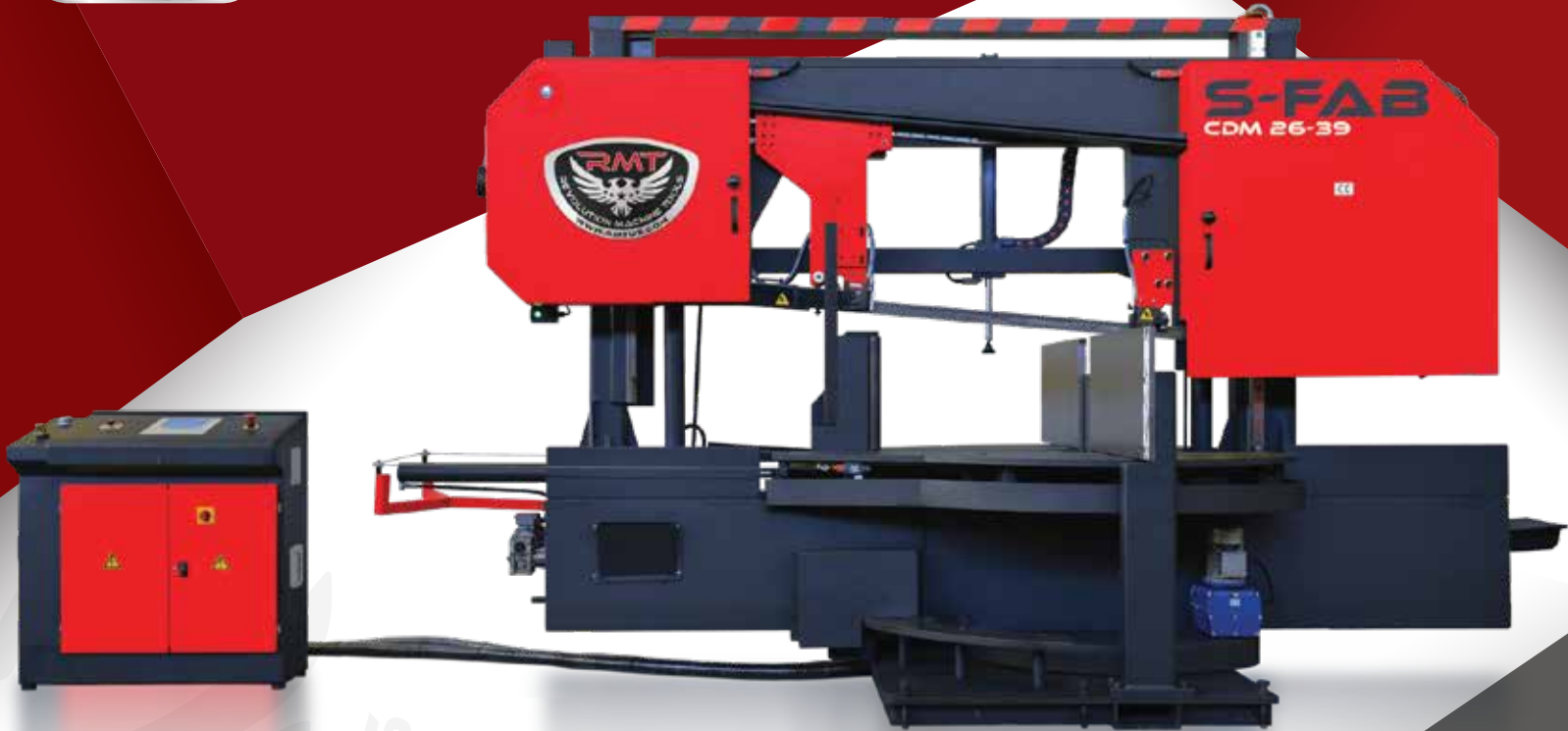


Semiautomatic Column Type Double Miter Bandsaw





# S-FAB CDM 26-39



Semiautomatic Column Type Double Miter Bandsaw

S-FAB CDM 26-39		Metric	US
Capacity at 0°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 1000 mm	23.6" x 39.8" in
	Square	600 mm	23.6" in
Capacity at 30°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 840 mm	23.6" x 33" in
	Square	600 mm	23.6" in
Capacity at 45°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 660 mm	23.6" x 26" in
	Square	600 mm	23.6" in
Capacity at 60°	Round	440 mm	17.3" in
	Flat (H x W)	600 x 440 mm	23.6" x 17.3" in
	Square	440 mm	17.3" in
Capacity at -30°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 840 mm	23.6" x 33" in
	Square	600 mm	23.6" in
Capacity at -45°	Round	650 mm	25.6" in
	Flat (H x W)	600 x 660 mm	23.6" x 26" in
	Square	600 mm	23.6" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		8400 x 54 mm	330.7 x 2.12 in
Main Motor		7.5 kW	10 HP
Hydraulic Motor		5.5 kW	7.5 HP
Weight		6250 kg	13779 lbs
Machine Dims.	Length	4750 mm	188" in
	Width	2270 mm	90" in
	Height	2630 mm	104" in

## STANDARD

- Control Panel NC
- Motorized Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Linear Guide Rails
- Turn Table
- Turn Table Brake
- Proximity Switch for Sensing Blade Slippage
- Chip Conveyor
- Coolant Pump

## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

## STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Digital Angle Display
- Linear Guide Rails
- Turn Table
- Turn Table Brake
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Coolant Pump
- 4ft Roller Table

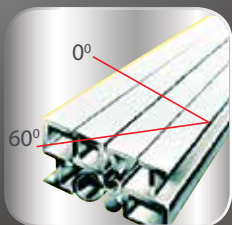
## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/  
oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized  
Roller Table
- Laser Line

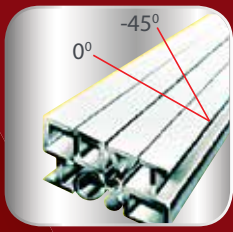


S-FAB CM 30-31		Metric	US
Capacity at 0°	Round	810 mm	31.9" in
	Flat (H x W)	770 x 810 mm	30.3" x 31.9" in
	Square	770 mm	30.3" in
Capacity at 30°	Round	700 mm	27.6" in
	Flat (H x W)	770 x 700 mm	30.3" x 27.6" in
	Square	700 mm	27.6" in
Capacity at 45°	Round	555 mm	21.9" in
	Flat (H x W)	770 x 555 mm	30.3" x 21.9" in
	Square	555 mm	21.9" in
Capacity at 60°	Round	320 mm	12.6" in
	Flat (H x W)	770 x 310 mm	30.3" x 12.2" in
	Square	310 mm	12.2" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		8200 x 41 mm	322.8 x 1.61 in
Main Motor		7.5 kW	10 HP
Hydraulic Motor		1.5 kW	2 HP
Weight		4050 kg	8929 lbs
Machine Dims.	Length	4020 mm	159" in
	Width	1630 mm	65" in
	Height	2570 mm	102" in

## S-FAB CM 30-31



Semiautomatic Column Type Single Miter Bandsaw



# S-FAB C 40-40



Semiautomatic Column Type Bandsaw

## S-FAB C 40-40

		Metric	US
Capacity at 0°	Round	1020 mm	40.2" in
	Flat (H x W)	1020 x 1020 mm	40.2" x 40.2" in
	Square	1020 mm	40.2" in
Capacity at 45°	Round	675 mm	26.6" in
	Flat (H x W)	1020 x 675 mm	40.2" x 26.6" in
	Square	675 mm	26.6" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		9500 x 54 mm	374 x 2.12 in
Main Motor		11 kW	15 HP
Hydraulic Motor		3 kW	4 HP
Weight		5860 kg	12919 lbs
Machine Dims.	Length	4500 mm	178" in
	Width	1700 mm	67" in
	Height	2750 mm	109" in

## STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Security Switch
- Height Adjustment Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Linear Guide Rails
- Hydromechanical Blade Tension
- Optical Saw Height Adjustment
- Coolant Pump

## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

## STANDARD

- Control Panel
- Motorized Blade Brush (S-FAB C 60-60)
- Hydraulic Vice
- Second Vice (S-FAB C 60-60)
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Linear Guide Rails
- Hydraulic Blade Tension
- Optical Saw Height Adjustment
- Chip Conveyor
- Proximity Switch for Sensing Blade Slippage
- Coolant Pump

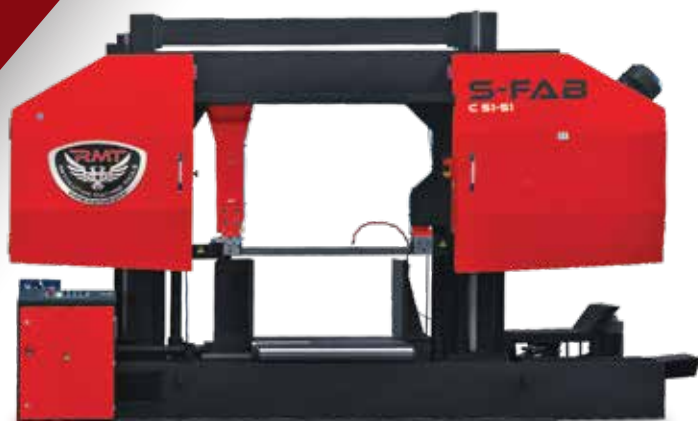
## OPTIONAL

- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Laser Line

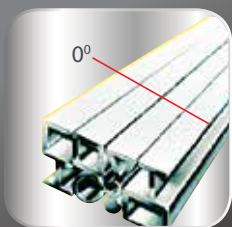


S-FAB C 51-51		Metric	US
Capacity at 0°	Round	1300 mm	51.2" in
	Flat (H x W)	1300 x 1300 mm	51.2" x 51.2" in
	Square	1300 mm	51.2" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		11700 x 67 mm	461 x 2.64 in
Main Motor		15 kW	20 HP
Hydraulic Motor		7.5 kW	10 HP
Weight		11500 kg	25353 lbs
Machine Dims.	Length	5300 mm	209" in
	Width	1500 mm	60" in
	Height	3175 mm	125" in

S-FAB C 60-60		Metric	US
Capacity at 0°	Round	1530 mm	60.2" in
	Flat (H x W)	1530x1530 mm	60.2" x 60.2" in
	Square	1530 mm	60.2" in
Cutting Speeds		10-70 m/min	32- 229 ft/min
Band Dims.		13300 x 80 mm	523 x 3.15 in
Main Motor		22 kW	30 HP
Hydraulic Motor		7.5 kW	10 HP
Weight		21645 kg	47719 lbs
Machine Dims.	Length	6000 mm	237" in
	Width	2400 mm	95" in
	Height	3850 mm	152" in

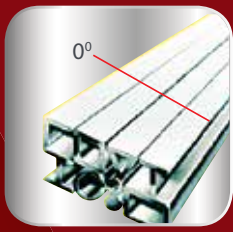


S-FAB  
C 51-51



S-FAB  
C 60-60





## S-SMART P 9-9



## S-SMART P 11-12

### Automatic Pivot Type Straight Cutting Bandsaw

S-SMART P 9-9		Metric	US
Capacity at 0°	Round	320 mm	12.6" in
	Flat (H x W)	300 x 320 mm	11.8" x 12.6" in
	Square	300 mm	11.8" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		3660 x 27 mm	144 x 1.06 in
Main Motor		2.2 kW	3 HP
Hydraulic Motor		0.37 kW	1/2 HP
Feed Motor		0.25 kW	1/3 HP
Weight		765 kg	1687 lbs
Machine Dims.	Length	1900 mm	75" in
	Width	850 mm	34" in
	Height	1300 mm	51" in

S-SMART P 11-12		Metric	US
Capacity at 0°	Round	320 mm	12.6" in
	Flat (H x W)	300 x 320 mm	11.8" x 12.6" in
	Square	300 mm	11.8" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		3660 x 27 mm	144 x 1.06 in
Main Motor		2.2 kW	3 HP
Hydraulic Motor		0.37 kW	1/2 HP
Feed Motor		0.25 kW	1/3 HP
Weight		765 kg	1687 lbs
Machine Dims.	Length	1900 mm	75" in
	Width	850 mm	34" in
	Height	1300 mm	51" in

### STANDARD

- Control Panel
- Blade Brush
- Hydraulic Vice
- Material Length Stop
- Height Adjustment Switch
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Mechanical Top Clamping
- Anti Vibration Cylinder
- 4ft Roller Table

### OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

## STANDARD

- Control Panel NC
- Blade Brush
- Hydraulic Vice
- Hydraulic Feeding Vice
- Security Switch
- Height Adjustment Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Anti Vibration Cylinder

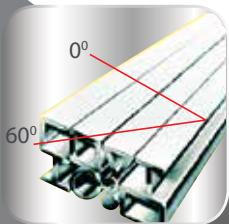
## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

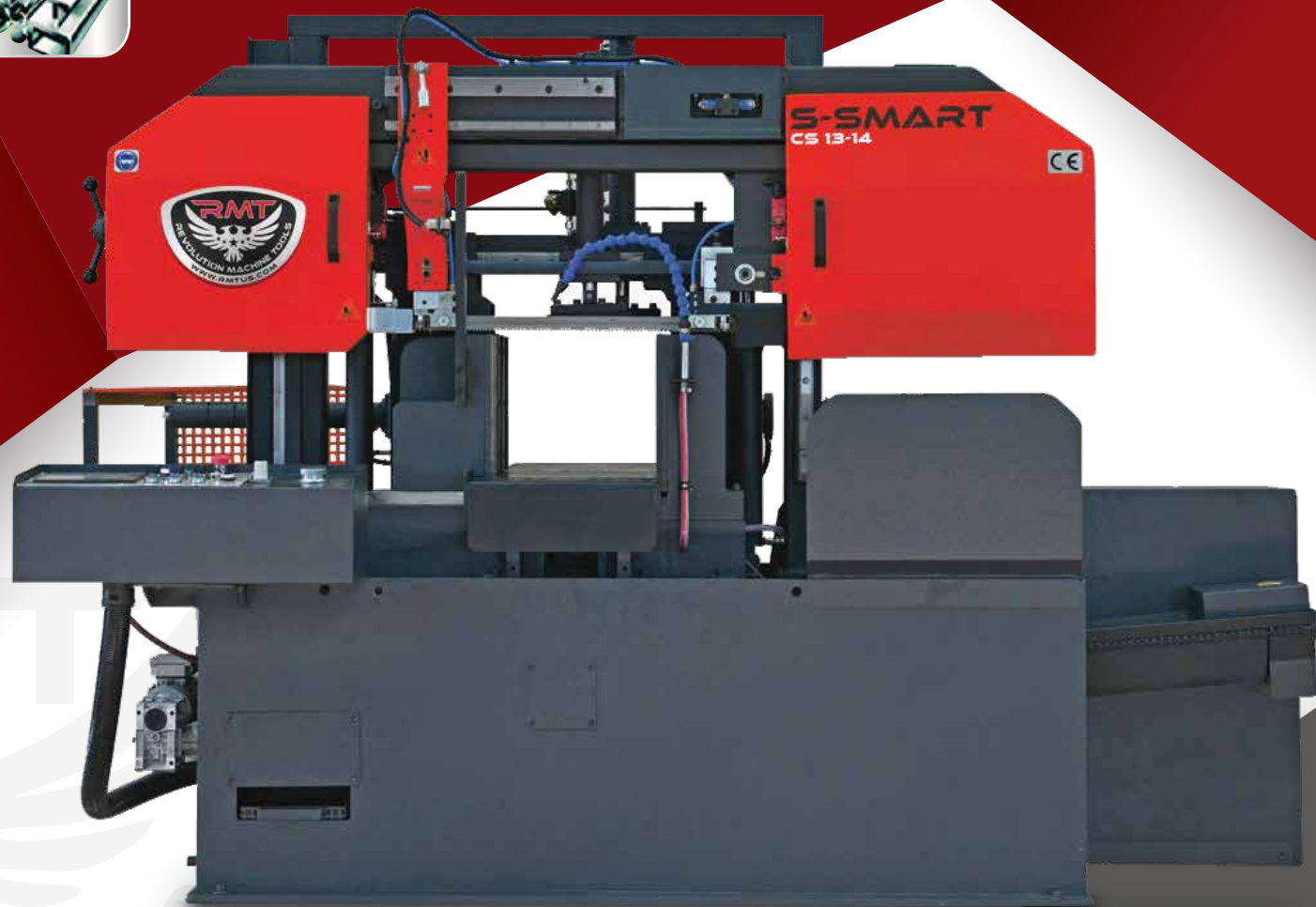
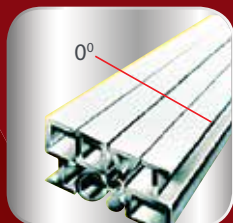


S-SMART PM 12-24		Metric	US
Capacity at 0°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 610 mm	12.6" x 24" in
	Square	320 mm	12.6" in
Capacity at-75°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 580 mm	12.6" x 22.8" in
	Square	320 mm	12.6" in
Capacity at-60°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 510 mm	12.6" x 20" in
	Square	320 mm	12.6" in
Capacity at-45°	Round	320 mm	12.6" in
	Flat (H x W)	320 x 355 mm	12.6" x 14" in
	Square	320 mm	12.6" in
Capacity at-30°	Round	260 mm	10.2" in
	Flat (H x W)	200 x 280 mm	7.9" x 11" in
	Square	225 mm	8.9" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		4160 x 34 mm	163.8 x 1.34 in
Main Motor		3 kW	4 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		2060 kg	4542 lbs
Machine Dims.	Length	2370 mm	94" in
	Width	2400 mm	95" in
	Height	1500 mm	60" in

## S-SMART PM 12-24



# S-SMART CS 13-14 NC



Automatic Column Type Straight Cutting Bandsaw

## STANDARD

- Control Panel NC
- Blade Brush
- Hydraulic Fixed Vice
- Hydraulic Feeding Vice
- Split Vice
- Security Switch
- Planetary Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Linear Guide Rails
- Optical Saw Height Adjustment
- Coolant Pump

## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Hexagonal Vice for Bundle Cutting
- Microspray Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table

S-SMART CS 13-14		Metric	US
Capacity at 0°	Round	330 mm	13.0" in
	Flat (H x W)	330 x 360 mm	13" x 14.1" in
	Square	330 mm	13.0" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		4380 x 34 mm	172.4 x 1.34 in
Main Motor		3 kW	4 HP
Hydraulic Motor		1.5 kW	2.2 HP
Coolant Motor		0.12 kW	0.16 HP
Material Feeding Servo Motor		1 kW	1.5 HP
Weight		2120 kg	4674 lbs
Machine Dims.	Length	2300 mm	91" in
	Width	1560 mm	62" in
	Height	1850 mm	73" in

## STANDARD

- Control Panel NC
- Blade Brush
- Hydraulic Vice
- Hydraulic Feeding Vice
- Split Vice
- Security Switch
- Height Adjustment Switch
- Material Length Stop
- SITI Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Linear Guide Rails
- Proximity Switch for Sensing Blade Slippage

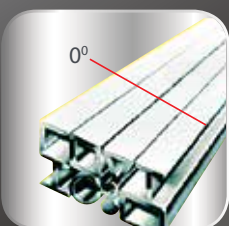
## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table



S-SMART C 18-24		Metric	US
Capacity at 0°	Round	460 mm	18.1" in
	Flat (H x W)	460 x 610 mm	18.1" x 24" in
	Square	460 mm	18.1" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		5200 x 41 mm	204.7 x 1.61 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		2700 kg	5952 lbs
Machine Dims.	Length	3100 mm	123" in
	Width	2200 mm	87" in
	Height	1950 mm	77" in

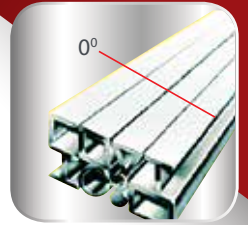
## S-SMART C18-24



Automatic Column Type Straight Cutting Bandsaw



# S-SMART C22-26



Automatic Column Type Straight Cutting Bandsaw

## STANDARD

- Control Panel NC
- Blade Brush
- Hydraulic Vice
- Hydraulic Feeding Vice
- Split Vice
- Security Switch
- Siti Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Linear Guide Rails
- Optical Saw Height Adjustment
- Proximity Switch for Sensing Blade Slippage

## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- Chip Conveyor
- 10ft Roller Table
- 10ft Motorized Roller Table

S-SMART C 22-26		Metric	US
Capacity at 0°	Round	560 mm	22.0" in
	Flat (H x W)	560 x 670 mm	22" x 26.4" in
	Square	560 mm	22.0" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		6000 x 41 mm	236.2 x 1.61 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		3500 kg	7716 lbs
Machine Dims.	Length	3500 mm	138" in
	Width	2200 mm	87" in
	Height	2050 mm	81" in

## STANDARD

- Control Panel NC
- Blade Brush
- Hydraulic Vice
- Hydraulic Feeding Vice
- Security Switch
- SITI Heavy Duty Gearbox
- Inverter
- Sensitive Pressure Control
- Hydromechanical Blade Tension
- Coolant Pump
- Linear Guide Rails
- Optical Saw Height Adjustment
- Proximity Switch for Sensing Blade Slippage

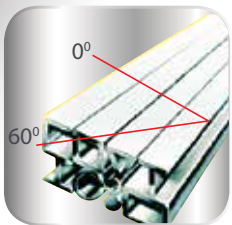
## OPTIONAL

- Hydraulic Blade Tension
- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table



S-SMART CM 21-26		Metric	US
Capacity at 0°	Round	540 mm	21.3" in
	Flat (H x W)	540 x 670 mm	21.3" x 26.4" in
	Square	540 mm	21.3" in
Capacity at 30°	Round	540 mm	21.3" in
	Flat (H x W)	540 x 600 mm	21.3" x 23.6" in
	Square	540 mm	21.3" in
Capacity at 45°	Round	510 mm	20.1" in
	Flat (H x W)	540 x 450 mm	21.3" x 17.7" in
	Square	450 mm	17.7" in
Capacity at 60°	Round	270 mm	10.6" in
	Flat (H x W)	540 x 250 mm	21.3" x 9.8" in
	Square	250 mm	9.8" in
Cutting Speeds		20- 100 m/min	65- 328 ft/min
Band Dims.		6000 x 41 mm	236.2 x 1.61 in
Main Motor		5.5 kW	7.5 HP
Hydraulic Motor		1.1 kW	1.5 HP
Weight		3840 kg	8466 lbs
Machine Dims.	Length	3100 mm	123" in
	Width	2350 mm	93" in
	Height	2150 mm	85" in

## S-SMART CM 21-26



Automatic Column Type Single Miter Bandsaw

# S-GENIUS CS 22-23 CNC



Fully Automatic Servo Column Type Straight Cutting Bandsaw

S-GENIUS CS 22-23 CNC		Metric	US
Capacity at 0°	Round	570 mm	22.4" in
	Flat (H x W)	570 x 600 mm	22.4" x 23.6" in
	Square	570 mm	22.4" in
Cutting Speeds		20- 153 m/min	65- 500 ft/min
Band Dims.		7400 x 54 mm	291.3 x 2.12 in
Main Motor		15 kW	20 HP
Hydraulic Motor		1.1 kW	1.5 HP
Coolant Motor		0.12 kW	0.16 HP
Chip Conveyor Motor		0.25 kW	0.33 HP
Down-feed Servo Motor		1.5 kW	2 HP
Material Feeding Servo Motor		2 kW	2.68 HP
Weight		5250 kg	11574 lbs
Machine Dims.	Length	3500 mm	138" in
	Width	2000 mm	79" in
	Height	2700 mm	107" in

## STANDARD

- Control Panel CNC
- Motorized Blade Brush
- Hydraulic Vice
- Servo Motor Feeding Vice 27" Stroke
- Linear Guide Rails
- Servo Motor Driven Ballscrew Down - feed System (CNC Smart Cutting)
- Split Vice
- Security Switch
- Heavy Duty Planetary Gearbox
- Inverter
- Hydraulic Blade Tension
- Blade Deflection Sensor
- Coolant Pump
- Optical Saw Height Adjustment
- Proximity Switch for Sensing Blade Slippage
- Chip Conveyor

## OPTIONAL

- Hydraulic Top Clamping
- Dropsa Air/oil clean lubrication system
- Micromist Cooling
- 10ft Roller Table
- 10ft Motorized Roller Table
- Servo Motor Feeding Vice 120" Stroke



# STANDARD & OPTIONS

## FEAATURES

	S-ECO PDM 9-12	S-ECO PDM 10-14	S-ECO PM 12-13	S-FAB PM 12-24	S-FAB PDM 14-24	S-FAB PDM 17-24	S-FAB PDM 17-24 NC	S-FAB CDM 14-25	S-FAB CDM 18-25	S-FAB CM 21-29	S-FAB CDM 21-32	S-FAB CDM 26-39	S-FAB CM 30-31	S-FAB C 40-40	S-FAB C 51-51	S-FAB C 60-60	S-SMART P 11-12	S-SMART PM 12-24	S-SMART CS 13-14 NC	S-SMART C 18-24	S-SMART C 22-26	S-SMART CM 21-26	S-GENIUS CS 22-23 CNC
1- Control Panel	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
2- Control Panel NC							S					S						S	S		S	S	
3- Blade Brush	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
4- Motorized Blade Brush												S				S							S
5- Hydraulic Vice				O	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
6- Hydraulic Feeding Vice																		S	S	S	S	S	S
7- Split Vice																			S	S	S		S
8- Second Vice															O	S							
9- Material Length Stop	S	S	S	S	S											S			S				
10- Security Switch	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
11- Height Adjustment Switch				S	S	S	S							S		S	S		S				
12- Siti Heavy Duty Gearbox		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
13- Inverter	O	O	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
14- Sensitive Pressure Control				S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
15- Hydromechanical Blade Tension	S	S	S	S	S	S	S	S	S	S	S	S	S	S		S	S	S	S	S	S	S	S
16- Hydraulic Blade Tension				O	O	O	O	O	O	O	O	O	O	O	S	S	O	O	O	O	O	O	S
17- Coolant Pump	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
18- Mechanical Top Clamping																S							
19- Hydraulic Top Clamping				O				O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
20- Turn Table Brake											S	S	S										
21- Chip Conveyor											O	S		S	S						O	S	
22- Turn Table											S	S											
23- Anti Vibration Cylinder					S	S	S									S	S						
24- Digital Angle Display										S													
25- Linear Guide Rails								S	S	S	S	S	S	S	S	S		S	S	S	S	S	S
26- Micromist Cooling	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
27- Stand	O	O																					
28- 4ft Roller Table			S	S						S			S			S							
29- 10ft Roller Table	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
30- 10ft Motorized Roller Table	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O
31- Optical Saw Height Adjustment					S			S	S	S	S	S	S	S	S	S			S		S	S	S
32- Laser Line					O	O	O	O	O	O	O	O	O	O	O	O							
33- Proximity Switch for Sensing Blade Slippage											S	S	S		S	S			S	S	S	S	S
34- Control Panel CNC																							S
35- Servo Motor Feeding Vice 27" Stroke																							S
36- Blade Deflection Sensor																							S
37- Servo Motor Driven Ballscrew Downfeed System (CNC Smart Cutting)																							S
38- Heavy Duty Planetary Gearbox																							S
39- Servo Motor Feeding Vice 120" Stroke																							O
40- Dropsa Air/oil clean lubrication system	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O	O



1-CONTROL PANEL



2-CONTROL PANEL NC



3-BLADE BRUSH



4-MOTORIZED BLADE BRUSH



5-HYDRAULIC VICE



6-HYDRAULIC FEEDING VICE



7-SPLIT VICE



8-SECOND VICE



9-MATERIAL LENGTH STOP



10-SECURITY SWITCH



11-HEIGHT ADJUSTMENT SWITCH



12-SITI HEAVY DUTY GEARBOX



13-INVERTER (VARIABLE SPEED)



14-SENSITIVE PRESSURE CONTROL



15-HYDROMECHANICAL BLADE TENSION



16-HYDRAULIC BLADE TENSION



17-COOLANT PUMP



18-MECHANICAL TOP CLAMPING



19-HYDRAULIC TOP CLAMPING



20-TURN TABLE BRAKE



21-CHIP CONVEYOR



22-TURN TABLE



23- ANTI VIBRATION  
CYLINDER



24-DIGITAL ANGLE DISPLAY



25-LINEAR GUIDE RAIL



26-MICROMIST COOLING



27-STAND



28-4 ft ROLLER TABLE



29-10 ft ROLLER TABLE



30-10 ft MOTORIZED  
ROLLER TABLE



31-OPTICAL SAW HEIGHT  
ADJUSTMENT



32- LASER LINE



33- PROXIMITY SWITCH FOR  
SENSING BLADE SLIPPAGE



34- CONTROL PANEL CNC



35- SERVO MOTOR FEEDING  
VICE 27" STROKE



36- BLADE DEFLECTION  
SENSOR



37- SERVO MOTOR DRIVEN  
BALLSCREW DOWNFEED SYSTEM  
(CNC SMART CUTTING)



38- HEAVY DUTY  
PLANETARY GEARBOX



39- SERVO MOTOR FEEDING  
VICE 120" STROKE



40- DROPSA AIR/ OIL CLEAN  
LUBRICATION SYSTEM



# COLD SAW SERIES



## S-FAB CLD 10

### HEAVY DUTY SEMI-AUTOMATIC COLD SAW

- Cutting Speed Adjustment
- Cutting Stroke Adjustment
- Counter - Variable Speed And Electrical Regulations
- Chip Box & Coolant
- Foot Pedal Operated



## S-FAB CLD 12

### HEAVY DUTY SEMI-AUTOMATIC COLD SAW

- Cutting Speed Adjustment
- Cutting Stroke Adjustment
- Counter - Variable Speed And Electrical Regulations
- Chip Box & Coolant
- Foot Pedal Operated





## S-FAB CLD 14

### HEAVY DUTY SEMI-AUTOMATIC COLD SAW

- Cutting Speed Adjustment
- Cutting Stroke Adjustment
- Counter - Variable Speed And Electrical Regulations
- Chip Box & Coolant
- Foot Pedal Operated



# Technical Specifications

		S-FAB CLD10		S-FAB CLD12		S-FAB CLD14	
Maximum Saw Blade Size $\varnothing$		10"		12"		14"	
Head Swivel		90°	45°	90°	45°	90°	45°
Round		4"	32,75"	4"	3.5"	4.5"	4.3"
Square		32,75" x 2,75"	2.36" x 2,36"	3.35" x 3.35"	3.15" x 3.15"	4" x 4"	3.5" x 3.5"
Rectangle		4.7" x 2.35"	3.5" x 2.35"	4.7" x 2.35"	3.5" x 2.35"	4.8" x 3.15"	3.5" x 3.5"
Main Voltage		220 V 3 Ph 60 Hz		220 V 3 Ph 60 Hz		220 V 3 Ph 60 Hz	
Control Voltage		24 V		24 V		24 V	
Nominal current		4.7 A		5.58 A		5.58 A	
Power		2.5 HP		3 HP		3 HP	
Moto Power		1.75 - 2.5HP		2.4 - 3HP		3 HP	
Coolant Pump moto		0.08 HP		0.08 HP		0.08 HP	
Air pressure (Consumtion)		6 bar (240 L/min)		6 bar (240 L/min)		6 bar (240 L/min)	
Blade Speed		20 - 80 RPM		20 - 80 RPM		20 - 80 RPM	
Head Swivel		90° /+ 45°		90° /+ 45°		90° /+ 45°	
Saw Blade Size	Diameter	10"		12"		14"	
	Bore	1.25"		1.25"		1.25"	
	Pin Holes	08" x $\varnothing$ .45"/Pivot center $\varnothing$ 2.5"		08" x $\varnothing$ .45"/Pivot center $\varnothing$ 2.5"		08" x $\varnothing$ .45"/Pivot center $\varnothing$ 2.5"	
Machine Dementions (LxWxH)		40" x 23" x 55"		40" x 23" x 55"		40" x 23" x 55"	
Packing Dementions (LxWxH)		47" x 30' x 67"		47" x 30' x 67"		47" x 30' x 67"	
Net Weight		530 lbs		640 lbs		600 lbs	
CGross Weight		575 lbs		685 lbs		700 lbs	





## CUTTING STROKE ADJUSTMENT

Casting heavy duty cutting head powered by electrical motor transfer rotation from motor to saw with high quality accurate processed worn and helical gears.

The head consists of a saw motor, worm and helical gears, circular saw (optional), movable and fixed protection covers.

## CUTTING SPEED ADJUSTMENT

All semi-automatic systems are equipped with front hydraulic oil flow valve to adjust cutting speed easily during the cutting by operator decision if workpiece can cut easy so cutting speed can be increased if not then decreased quickly.



## COUNTER - VARIABLE SPEED AND ELECTRICAL REGULATIONS

Operator can count the parts by checking the front LCD display and reduce the working hours also scrap by cutting more parts. Variable speed in between 20-80 rpm in order to cut different quality of materials.

All equipments are meet with CE regulations and EMG stop are placed optimum position as operator working. Electrical system can also be integrated with TX4 servo positioning stopper system in future with high-end PLC system.

## CHIP BOX AND COOLANT

Large cutting float is recycled by coolant pump and chips are collected into the scrap box as underneath of cutting head. Operator can take out the drawer and clean the scrap periodically.



## FOOT PEDAL OPERATED

Semi-Auto foot pedal helps operator work more efficiently. Flexible working conditions by long enough cable.

# S-GENIUS HSC 4



## S-GENIUS HSC 4

		Metric	US
Capacity at 0°	Feeding Course	800 mm	31.4"
	Round Cutting Capacity	20-100 mm	0.78" - 3.9"
	Vice Opening Max	120 mm	4.7"
Cutting Speeds		40-280 m/min	131 - 918 ft/min
Circle Saw Size		360 2.5t mm	14" x 0.09"
Main Motor		11 kW	15 HP
Hydraulic Motor		2.2 kW	3 HP
Weight		3450 kg	7606 lbs
Machine Dims.	Length	2460 mm	96.8"
	Width	2610 mm	102.7"
	Height	2360 mm	92.9"

3.9" DIAMETER FILLED MATERIAL CUTTING TIME 11 SECONDS

## Standard

- Control Panel
- Hydraulic Clamp
- Speed Controller
- Cover Sivic

## Optional

- Microspray Cooling
- 20ft Material Table



## PRECISION CUTTING AND MATERIAL DELIVERY

The S-Genius, HSC Series Cold Saw is designed to provide the most efficient stock and tube cutting possible in the metal industry today.

The saw comes standard with automatic clamping, adjustable blade stroke, material handling and output tray, and an enclosed cabinet. This machine is sure to increase your production in quantity, quality, and repeatability.



## WORLD-CLASS ELECTRONICS AND CONTROLLERS

Revolution Machine Tools delivers quality machines that fulfill our customer's needs. To fulfill this philosophy, we employ the highest level of world-class controllers and electrical components. Thus, we help our clients maintain and increase quality production.



## HIGH-END LUBRICATION SYSTEMS

Getting the most out of any machine is the goal of plant managers and business owners alike. That same philosophy is also shared with your partner here at Revolution Machine Tools; that is why we install lubricant systems designed to give you quality products while increasing the lifecycle of your machine.



## 20' AUTOMATIC MATERIAL HANDLING TABLE (OPTIONAL)

Control your workflow with the optional twenty-foot automatic material handling table.

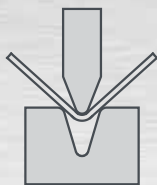
The table is designed for operators to load material being delivered to the RMT S-Genius, HSC series saw for cutting. This type of automation allows operators to focus on productivity and quality.

The perfect precision-cutting workhorse is the S-Series HSC saw. This saw, paired with the automatic material handling table, will create increased productivity with greater part repeatability.

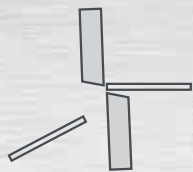




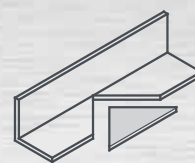
*Fiber Lasers*



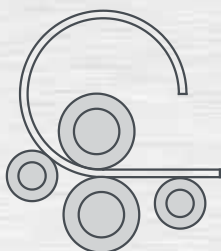
*Press Brakes*



*Shears*



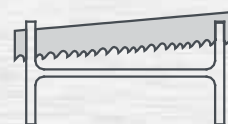
*Ironworkers*



*Plate Rolls*



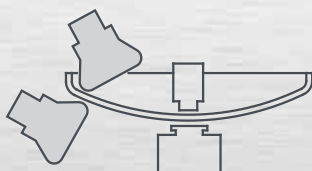
*Angle Rolls*



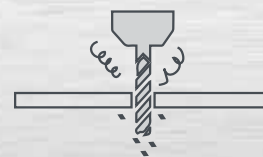
*Bandsaws*



*Dishing Presses*



*Flanging Machines*



*Drilling Machines*

*"If you need a machine and don't buy it, you'll find that you have paid for it anyway, but don't have it."*

*Henry Ford*

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