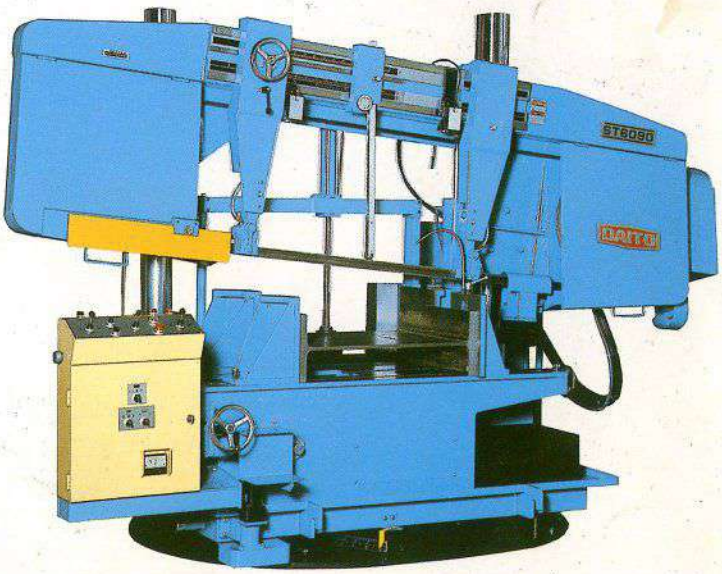
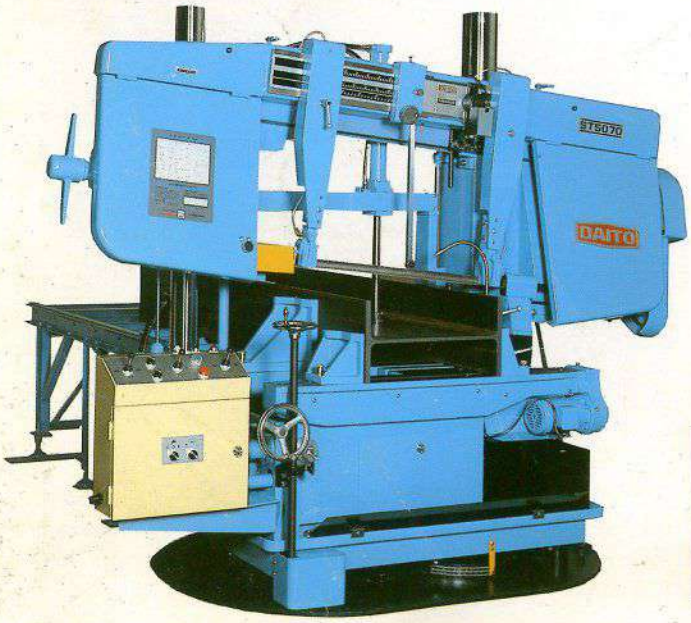
CUT-OFF MACHINE ST SERIES

This series is designed specifically for structural steel fabricators. The blade is set at a constant 6 degree angle to maximize cutting efficiency. A massive twin pillar design, a unique mitering device and an amplifying valve provide rigidity, accuracy and efficiency to satisfy the most demanding applications.

ST6090
ST8010
ST8013

ST8015





ST4565
ST5070

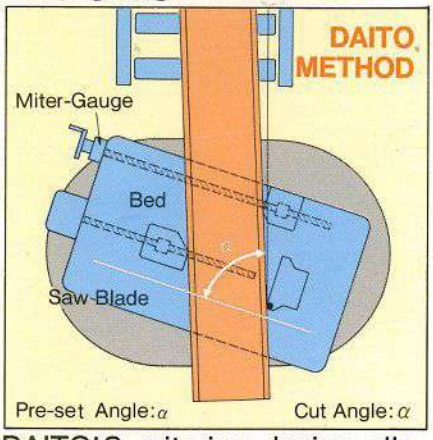
CUT-OFF MACHINE ST SERIES

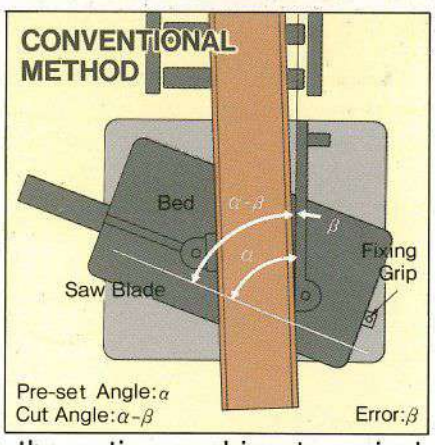
MODEL		ST3540	ST4565	ST5070	ST6090	ST8010	ST8013	ST8015
Blade mm (in) Thickness		1.06 (0.042")	1.27 (0.05")	1.27 (0.05")	1.27～1.6 (0.05～0.063")	1.27～1.6 (0.05～0.063")	1.6 (0.063")	1.6 (0.063")
Blade mm (in) Width		32 (1¼")	38 (1½")	38 (1½")	50 (2")	50 (2")	67 (2⅝")	67 (2⅝")
Blade mm (in) Length		4,120 (13'6")	5,030 (16'6")	5,450 (17'10½")	7,600 (24'11")	8,300 (27'3")	9,350 (30'8")	10,670 (35')
Motor kw (hp)	Blade	3.7 (5)	3.7 (5)		7.5 (10)		7.5 (10)	7.5 (10)
Motor kw (hp)	Hydraulic	0.4 (½)	0.75 (1)		1.5 (2)		2.2 (3)	3.7 (5)
Motor kw (hp)	Coolant	0.2 (¼)	0.06 (1/12)		0.06 (1/12)		0.06 (1/12)	0.12 (⅙)
Motor kw (hp)	Main vise	0.4 (½)	0.4 (½)		0.75 (1)		0.75 (1)	—
Motor kw (hp)	Front vise	—	0.4 (½)		0.75 (1)		0.75 (1)	—
Motor kw (hp)	Turntable	—	—		0.04 (1/20)		0.09 (1/10)	0.09 (1/10)
Motor kw (hp)	Lubricant	—	—		0.004 (1/200)		0.004 (1/200)	0.004 (1/200)
Blade Speed m/min (ft/min)	50Hz	23, 28, 35, 43, 54, 67 (75, 92, 115, 141, 177, 220)			16～125 (52～410)			10～100 (32～320) Inverter
Blade Speed m/min (ft/min)	60Hz	27, 34, 42, 52, 64, 80 (89, 112, 138, 171, 210, 262)			19～150 (62～500)			
Saw Wheel Diameter mm (in)		450 (17¾")	480 (18⅞")	520 (20½")	670 (26⅜")	810 (31⅞")		915 (35⅞")
Hydraulic Reservoir ℓ (gal)		5.5 (1.5)	8.5 (2.2)	8.5 (2.2)	39 (10.3)	39 (10.3)		40 (10.5)
Coolant Reservoir ℓ (gal)		29 (7.7)	41 (11)	41 (11)	47 (12.4)	47 (12.4)		200 (52)
Dimension mm (in) Width		2,190 (86¼")	2,660 (104¾")	2,850 (112¼")	3,975 (156½")	4,325 (170¼")	4,810 (189⅜")	5,455 (214⅝")
Dimension mm (in) Depth		1,330 (52⅜")	1,320 (52")	1,325 (52⅛")	1,895 (74⅝")	1,895 (74⅝")	2,425 (95½")	2,250 (88½")
Dimension mm (in) Height		1,340 (52¾")	2,075 (81¾")	2,226 (87⅝")	2,580 (101⅝")	3,030 (119¼")	3,150 (124")	3,830 (150⅝")
Dimension mm (in) Bed height		690 (27⅛")	800 (31½")	800 (31½")	800 (31½")	800 (31½")	800 (31½")	1,100 (43⅜")

CUT-OFF MACHINE S SERIES

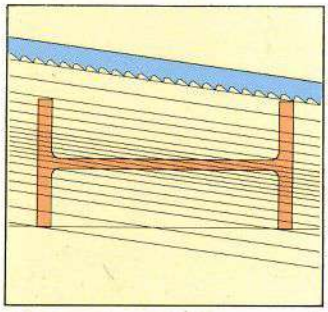
MODEL		S360B	S4560	S5570	S6090	S1011/S1011K
Blade mm (in) Thickness		1.06 (0.042")	1.27 (0.05")	1.27 (0.05")	1.27～1.6 (0.05～0.063")	1.6 (0.063")
Blade mm (in) Width		32 (1¼")	38 (1½")	38 (1½")	50 (2")	67 (2⅝")
Blade mm (in) Length		4,120 (13'6")	5,030 (16'6")	5,450 (17'10½")	7,600 (24'11")	8,840 (29')
Motor kw (hp)	Blade	3.7 (5)	3.7 (5)	3.7 (5)	7.5 (10)	7.5 (10)
Motor kw (hp)	Hydraulic	0.4 (½)	0.75 (1)	0.75 (1)	1.5 (2)	2.2 (3)
Motor kw (hp)	Coolant	0.2 (¼)	0.06 (1/12)	0.06 (1/12)	0.06 (1/12)	0.25 (⅓)
Motor kw (hp)	Saw brush		0.04 (1/20)	0.04 (1/20)	—	0.04 (1/20)
Motor kw (hp)	Main vise	0.4 (½)	0.4 (½)	0.4 (½)	0.75 (1)	—
Motor kw (hp)	Front vise	—	—	—	0.75 (1)	—
Motor kw (hp)	Lubricant	—	—	—	0.004 (1/200)	0.004 (1/200)
Motor kw (hp)	Clip convenyor	—	—	—	—	0.025 (1/30)
Blade Speed m/min (ft/min)	50Hz	23, 28, 35, 43, 54, 67 (75, 92, 115, 141, 177, 220)	7～130 (23～433) Inverter	7～130 (23～433) Inverter	16～125 (52～416)	8～83 (26～270) Inverter
Blade Speed m/min (ft/min)	60Hz	27, 34, 42, 52, 64, 80 (89, 112, 138, 171, 210, 262)			19～150 (62～500)	
Saw Wheel Diameter mm (in)		450 (17¾")	480 (18⅞")	520 (20½")	670 (26⅜")	910 (35¾")
Hydraulic Reservoir ℓ (gal)		5.5 (1.5)	8.5 (2.2)	8.5 (2.2)	35 (9.5)	64 (17.2)
Coolant Reservoir ℓ (gal)		30 (8)	45 (12)	45 (12)	47 (12.4)	100 (29)
Dimension mm (in) Width		2,220 (87½")	2,370 (93¼")	2,550 (100½")	3,980 (156¾")	4,185 (164¾")
Dimension mm (in) Depth		1,010 (39¾")	1,110 (43¾")	1,110 (43¾")	1,760 (69¼")	1,865 (73½")
Dimension mm (in) Height		1,220 (48")	2,020 (79½")	2,215 (87¼")	2,560 (100¾")	3,480 (137")
Dimension mm (in) Bed height		580 (22¾")	780 (30¾")	780 (30¾")	677 (26¾")	700 (27½")

FEATURES



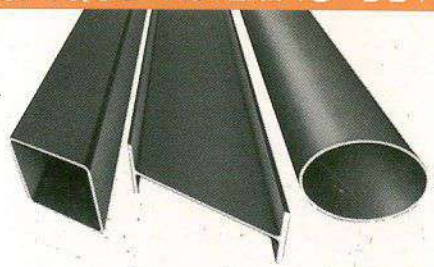


DAITO'S mitering device allows the entire machine to swivel on a turntable to meet the material surface, even if the material is not fed in parallel. Conventional systems cannot be compliant with long material in similar circumstances.

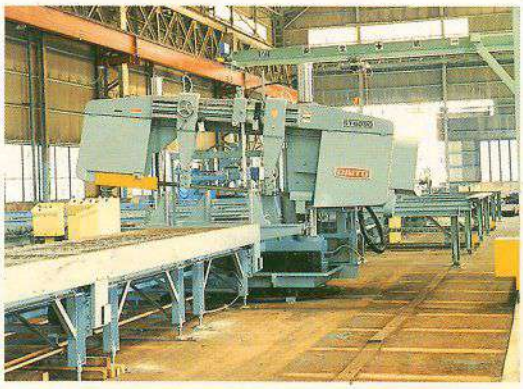
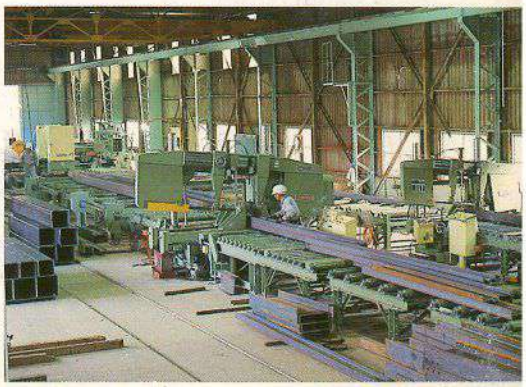


The feed rate of saw blade changes to adapt to the varying cross section of material due to the cutting pressure valve.

UNIQUE MITERING DEVICE



ST3540

MAIN SPECIFICATION

MODEL			ST3540	ST4565	ST5070	ST6090	ST8010	ST8013	ST8015
Capacity mm (in)	90°	○	360 (14")	450 (18")	500 (20")	700 (28")	800 (32")	830 (32⅝")	850 (33½")
		□	300 (12")	410 (16")	500 (20")	650 (25")	750 (30")	800 (32")	800 (32")
		▭	400 × 260 (16" × 10")	650 × 350 (26" × 14")	750 × 350 (30" × 14")	1,000 × 500 (40" × 20")	1,000 × 600 (40" × 24")	1,300 × 650 (51⅛" × 26")	1,500 × 700 (59" × 28")
Capacity mm (in)	45°	○	200 (8")	320 (13")	410 (16")	500 (20")	500 (20")	700 (28")	850 (33½")
		□	200 (8")	320 (13")	410 (16")	500 (20")	500 (20")	700 (28")	750 (30")
		▭	200 × 320 (8" × 13")	320 × 410 (12½" × 16")	410 × 500 (16⅛" × 20")	500 × 650 (20" × 25")	500 × 720 (20" × 28⅜")	700 × 720 (28" × 28⅜")	900 × 750 (36" × 30")
Weight kg (lb)			1,500 (3,300)	2,200 (4,850)	2,600 (5,700)	5,000 (11,000)	5,300 (11,690)	6,300 (13,860)	11,500 (25,300)