



C-SMART SWING BEAM SERIES

Superior design and high yield steel allow for our C-SMART shears to offer fantastic cuts and amazing repeatability whether you are cutting thin or thick material, even in the most difficult conditions. The C-SMART series provides high strength, productivity, sensitivity, and safety while lowering your production costs and improving your bottom line.

These shears are designed with high quality materials and workmanship and are used primarily for sheets 0.23"-0.79". They are produced to be used for many years in heavy duty conditions without problems.



OPTIONAL FEATURES

ANGLE GAUGE



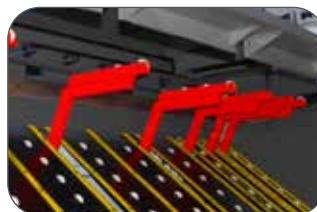
While angle cutting, this device provides accurate and easy material handling

LASER CUTTING SYSTEM



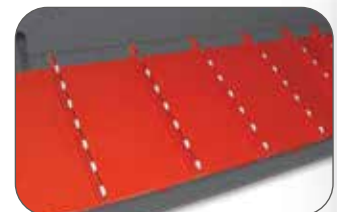
Angled or drawn line cuttings could be done easily and controllably with the help of a laser cutting line

LEVER TYPE PNEUMATIC SHEET SUPPORT SYSTEM



Pneumatic arms provide support and allow more precise cuts by keeping the material lifted throughout the cut

MONOBLOCK TYPE PNEUMATIC SHEET SUPPORT SYSTEM



Pneumatic table supports and provides more precise cuts by avoiding hanging down the wide and thin sheets

C-SMART FEATURES



STANDARD

- Shear blades made from tough and wear-resistant alloyed material
- Top blade: Two cutting edges suitable for all materials.
- Bottom blade: Four cutting edges
- Delem DAC-360T control unit
- 14" throat depth
- 40" travel ballscrew backgauge with swing up backstop at full extension
- Repeatability of the backgauge to .001"
- 40" squaring arm and front support arms
- Work table with filler plates, ball transfers and hand slots
- Metric and inch rulers
- Front, side and back safety panels which are suitable for CE norms and are recessed into squaring and front support arms
- Sheet sliding system
- SIEMENS electrical system
- Hoerbiger hydraulic system
- Robust hold system
- Moveable foot pedal
- Emergency stop buttons
- Shadow line facility with fluorescent lighting
- Finger guard and side throat guards
- Power blade gap adjustment with digital readout control
- Work/part counter
- Rear safety guarding
- CNC blade gap adjustment

OPTIONAL

- Front angle gauge
- Work time counter
- Squaring arm and front arm length other than standard
- Throat gap deeper than standard
- Sheet conveyor and stacking system
- Front gauge X1, X2 Axis and backgauge X3, X4 Axis
- Optional backgauge stroke
- Sheet support system for thin sheets
 - Pneumatic support system (lever type)
 - Pneumatic support system (monoblock panel type)
- Hydraulic oil cooling and heating system
- Optional solid table
- Stainless steel blades (longer life specifically for stainless)
- Ability to increase stroke amount per minute
- Light safety system for finger protection
- Optional alternative color
- Coolant system or heater can be placed in electric panel during ambient condition
- Double foot pedal
- Laser cutting line
- Central lubrication system
- 40" lift-up front finger guard with electrically interlocked safety switch
- Urethane hold down pads
- Adjustable height suspension control unit arm

LONGER SQUARING ARM



The squaring arm provides easier, more delicate and quicker cuts by feeding the material through the cutting area

LIGHT CURTAINS FOR FINGER PROTECTION



Designed to enable easy and quick material handling with high-protection





C-SMART

SWING BEAM SERIES

C-SMART SERIES	CUTTING LENGTH	CAPACITIES (TENSILE STRENGTH) ≤ 65	CAPACITIES (TENSILE STRENGTH) ≤ 100	CUTTING ANGLE	STROKES PER MINUTE - FULL CAPACITY	STROKES PER MINUTE - SHORT STROKE	NUMBER OF HOLD DOWNS	HOLD DOWN TONNAGE	MAIN MOTOR	BACKGAUGE MOTOR	BACKGAUGE STROKE	BACKGAUGE SPEED
	A	KSI	KSI	Prog.	Prog.	Prog.	QTY				Prog.	Prog.
	Feet-Inch	Inch	Inch	(°)	1/min	1/min	Pcs.	Ton	HP	HP	Inch	Inch/sec
C-SMART 10-250	10' 2"	.250"	.160"	1.5°	20	36	14	18	15	1	40"	4.33"
C-SMART-A 10-250	10' 2"	.320"	.200"	1.5°	18	33	14	26	25	1	40"	4.33"
C-SMART 12-250	12' 2"	.250"	.160"	1.5°	14	25	18	22	15	1	40"	4.33"
C-SMART-A 12-250	12' 2"	.320"	.200"	1.5°	16	29	18	31	25	1	40"	4.33"
C-SMART 10-375	10' 2"	.375"	.250"	2.0°	18	33	14	26	30	1	40"	4.33"
C-SMART 12-375	12' 2"	.375"	.250"	2.0°	18	32	18	31	30	1	40"	4.33"
C-SMART 10-500	10' 2"	.500"	.320"	2.0°	17	31	14	34	30	1	40"	4.33"
C-SMART 12-500	12' 2"	.500"	.320"	2.0°	14	25	18	44	30	1	40"	4.33"
C-SMART 10-625	10' 2"	.625"	.400"	2.5°	12	22	14	46	40	1.5	40"	4.33"
C-SMART 12-625	12' 2"	.625"	.400"	2.5°	12	21	18	57	30	1.5	40"	4.33"
C-SMART 10-750	10' 2"	.750"	.500"	2.5°	12	22	14	60	50	1.5	40"	4.33"
C-SMART 12-750	12' 2"	.750"	.500"	2.5°	11	20	18	74	50	1.5	40"	4.33"

Note: Most stainless steels have tensile strength of 90 KSI
 Custom capacities and lengths readily available
 Due to ongoing product development, specifications may change at any time



C-SMART SERIES	OIL CAPACITY	CNC BLADE GAP ADJUSTMENT	NUMBER OF SHEET SUPPORT ARMS	HYDRAULIC TANK CAPACITY	TABLE WIDTH	THROAT DEPTH	OVERALL DEPTH WITH STANDARD SQUARING ARM	TABLE HEIGHT	TRANSPORT DEPTH	OVERALL WIDTH	OVERALL HEIGHT
		Prog.	39"		B	C	D	E	F	L	H
	Gal	Inch	Pcs.	Gal	Inch	Inch	Inch	Inch	Inch	Inch	Inch
C-SMART 10-250	40	.002-.03"	2	45	135"	13.8"	114"	36"	91"	83"	83"
C-SMART-A 10-250	66	.002-.04"	2	45	137"	13.8"	117"	36"	96"	85"	84"
C-SMART 12-250	40	.002-.03"	3	74	161"	13.8"	114"	38"	91"	83"	85"
C-SMART-A 12-250	66	.002-.04"	3	45	164"	13.8"	117"	38"	96"	85"	86"
C-SMART 10-375	69	.002-.05"	2	45	137"	13.8"	121"	36"	99"	89"	86"
C-SMART 12-375	69	.002-.06"	3	45	164"	13.8"	123"	40"	101"	90"	90"
C-SMART 10-500	82	.002-.06"	2	58	139"	13.8"	124"	36"	103"	92"	88"
C-SMART 12-500	82	.002-.06"	3	58	165"	13.8"	123"	40"	105"	92"	92"
C-SMART 10-625	132	.002-.08"	2	58	143"	13.8"	124"	36"	103"	93"	97"
C-SMART 12-625	132	.002-.08"	3	58	169"	13.8"	124"	40"	103"	93"	102"
C-SMART 10-750	132	.002-.09"	2	58	145"	13.8"	128"	36"	106"	94"	99"
C-SMART 12-750	132	.002-.09"	3	58	172"	13.8"	126"	40"	105"	94"	103"

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