



# C-GENIUS SERIES

Hydraulic Variable Rake Shears

## STANDARD

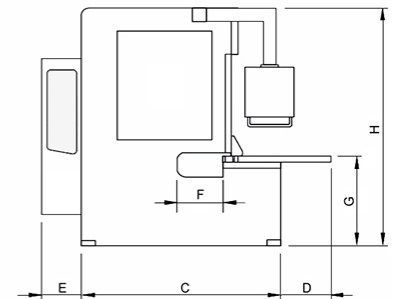
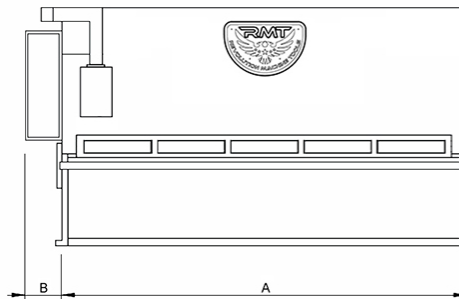
- Shear blades made from tough and wear-resistant alloyed material;
- Top blade : Two cutting edges.
- Bottom blade : Four cutting edges.
- Digital control unit for backgauge positioning, rake adjustment, and blade gap setting.
- Foot pedal control for single and repetitive cutting cycles.
- 40" power backgauge with ballscrew spindles to 0.004" precision.
- 40" squaring arm with scale, T-slot and flip-stop.
- Front support arms in 40" length.
- Digital stroke counter.
- Pendant arm.
- Work table with filler plates, ball transfers and hand slots.
- Emergency stop buttons on the pendant and on the mainframe.
- Shadow line facility with fluorescent lighting.
- Finger guard and side throat guards.



## OPTIONAL

- Multi-function electronic control units.
- Siemens OP7 S7-200.
- Cybele DNC 60.
- Servo driven backgauge movement.
- Automatic "swing-up" backgauge mechanism for shearing longer pieces than maximum backgauge length.
- Pneumatic rear support systems for thin sheets.
- Anti-twist system.
- Front and rear sheet conveyor and stacking systems.
- Oil cooling or heating equipment.
- Throat gap deeper than standard.
- Squaring arm and front arm length other than standard.
- T-slotted front support arms with scale and flip-stop.
- Angle gauge.
- 40" lift-up front finger guard with electrically interlocked safety switch.
- Holddown pads.
- Rear safety guarding.
- Conformity to European Community CE norms.

The C-Genius series is the top of the line, incorporating all the latest technology to offer the highest level of functionality. With our hydraulic angle setting and user friendly control panel, you will be able to easily cut different material thicknesses. This series is well named as only the most intelligent machines could provide speed, precision, accuracy and repeatability as our C-Genius shears.



C-GENIUS Series	Capacities (Tensile Strength)		Cutting length Inch	Strokes per minute cuts/min.	Rake angle degree	Number of holdowns pcs.	Back gauge range Inch	Main motor HP	Back gauge motor HP	Working pressure PSI	Hyd. Tank Capacity Gal	Weight Lbs	A Inch	B Inch	C Inch	D Inch	E Inch	F Inch	G Inch	H Inch
	≤65 KSI	≤100 KSI																		
	Inch	Inch																		
C-GENIUS 10-250	1/4"	5/32"	10'	20-32	0.5°-1.5°	16	40	15	1/2	3770	63	17196	136	17	65	19	41	13.7	31	83
C-GENIUS 13-250	1/4"	5/32"	13'4"	16-25	0.5°-1.5°	21	40	15	3/4	3770	95	26455	176	17	79	16	41	13.7	35	89
C-GENIUS 20-250	1/4"	5/32"	20'	12-18	0.5°-2.0°	30	40	25	3/4	3770	95	48502	254	17	87	35	41	13.7	39	106
C-GENIUS 10-375	3/8"	1/4"	10'	12-18	0.5°-2.0°	15	40	30	1/2	3770	95	24251	137	17	71	18	41	13.7	31	87
C-GENIUS 13-375	3/8"	1/4"	13'4"	9-14	0.5°-2.0°	21	40	30	3/4	3770	95	33069	177	17	76	16	41	13.7	35	93
C-GENIUS 20-375	3/8"	1/4"	20'	6-10	0.5°-2.0°	30	40	30	3/4	3770	106	66139	255	17	87	31	41	13.7	39	108
C-GENIUS 10-500	1/2"	5/16"	10'	9-14	0.5°-2.5°	15	40	40	1/2	3770	95	28660	139	17	76	16	41	13.7	31	91
C-GENIUS 13-500	1/2"	5/16"	13'4"	7-14	0.5°-2.5°	21	40	40	3/4	3770	106	39683	178	17	90	12	41	13.7	39	104
C-GENIUS 20-500	1/2"	5/16"	20'	6-10	0.5°-2.5°	30	40	40	1	3770	106	83776	257	17	93	31	41	13.7	47	122
C-GENIUS 10-625	5/8"	3/8"	10'	8-14	0.5°-3.0°	15	40	40	3/4	3770	106	36376	139	17	77	14	41	13.7	35	98
C-GENIUS 13-625	5/8"	3/8"	13'4"	7-12	0.5°-3.0°	21	40	40	3/4	3770	106	51809	179	17	91	11	41	13.7	39	110
C-GENIUS 20-625	5/8"	3/8"	20'	5-9	0.5°-3.0°	30	40	50	1	3770	106	94799	257	17	98	34	41	13.7	47	128
C-GENIUS 10-750	3/4"	1/2"	10'	6-10	0.5°-3.0°	16	40	50	3/4	3770	106	46297	141	17	93	9	41	13.7	39	106
C-GENIUS 13-750	3/4"	1/2"	13'4"	6-9	0.5°-3.0°	21	40	50	3/4	3770	106	57320	180	17	93	9	41	13.7	43	114
C-GENIUS 20-750	3/4"	1/2"	20'	5-9	1.0°-3.0°	30	40	50	1	3770	159	105822	258	17	98	29	41	13.7	47	131
C-GENIUS 10-1000	1"	5/8"	10'	4-6	0.5°-3.5°	15	40	60	3/4	3770	159	50706	140	17	90	11	41	13.7	43	127