



HSVS Hydraulic Variable Rake CNC Guillotine

The Morgan Rushworth HSVS range of variable rake CNC sheet metal guillotines are heavy duty, strong machines designed for a long working life. The CNC controller automatically calculates and adjusts the blade gap, the back gauge position, cutting angle and stroke length simultaneously once the data is entered. Therefore the strokes per minute cutting cycle is significantly increased. The cutting angle automatically adjusts according to material thickness minimising the twisting of sheet during the cutting cycle.



HSVS



**SWING UP FRONT GUARD
(OPTIONAL)**



SHEET SUPPORT ARMS



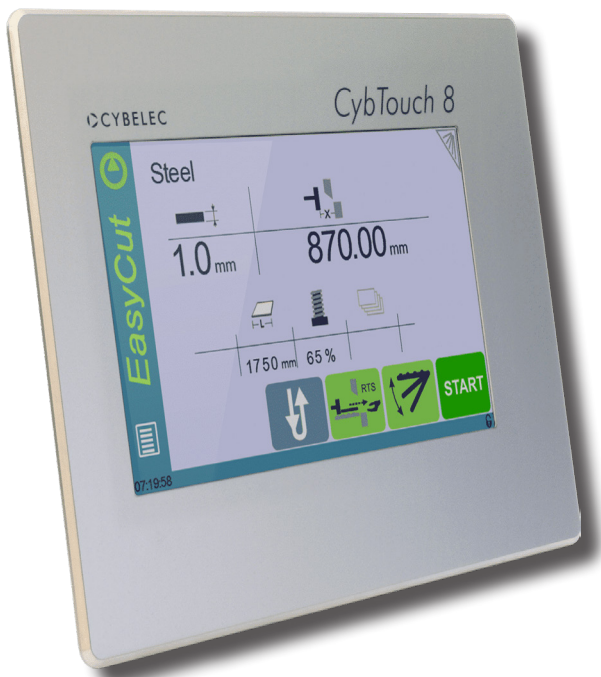
REAR VIEW

Machine Features

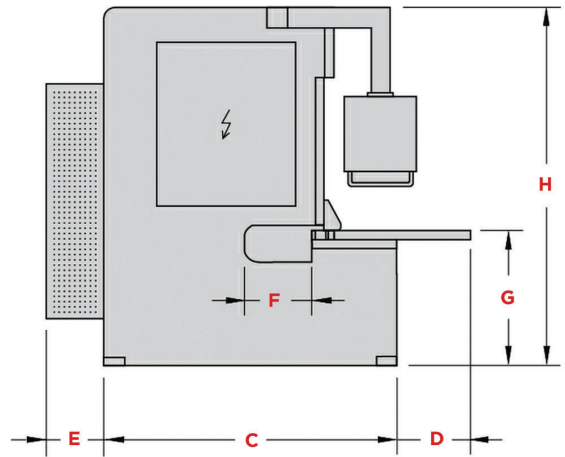
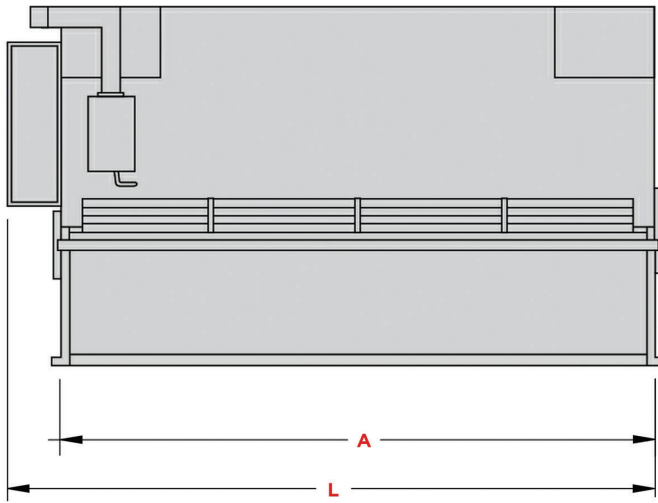
- Variable rake design
- CybTouch 8 CNC Controller controlling blade gap, back gauge, stroke and cutting angle
- Adjustable stroke length to reduce stroke time when cutting narrower widths
- Digital stroke counter
- 1000mm powered ball screw backgauge with swing away feature for longer cutting lengths
- Back gauge retract feature
- High quality stainless grade top and bottom blades
- Top blade with 2 cutting edges and bottom blade with 4 cutting edges
- Cutting line illumination
- Front finger guards with windows
- Side throat guards
- Compact low-maintenance hydraulic system
- Hydraulic overload protection
- Powerful material hold downs to prevent sheet sliding during cutting action
- Support table with roller bearings
- 1000mm Front squaring arm with measuring scale, tee slot and flip stop
- 1000mm Front support arms
- Foot pedal for single or continuous cutting cycles
- Photo cell rear guards
- Centralised lubrication system

Optional Equipment

- Pneumatic rear sheet support system
- Anti twist device
- Hydraulic automatic swing away back gauge in lieu of standard powered
- Angle gauge
- Tee slots and flip stops on front support arms
- 1 metre lift up finger guard with interlock switch
- Front CE light guards in lieu of standard fixed front guards



**CYBTOUCH 8 TOUCHSCREEN
CNC CONTROLLER**



TECHNICAL SPECIFICATIONS

MODEL	STOCK CODE	CUTTING LENGTH	CUTTING CAPACITY (45 KG/MM2)		CUTTING CAPACITY (70 KG/MM2)	CUTTING ANGLE	TROKES PER MINUTE	NO. OF HOLD DOWNS	WORKING PRESSURE	MAIN MOTOR	BACKGAUGE MOTOR	BACKGAUGE TRAVEL	OIL CAPACITY	NO. OF SHEET SUPPORT ARMS	TABLE LENGTH	THROAT DEPTH	TABLE HEIGHT	TRANSPORT WIDTH	MACHINE WIDTH	LENGTH	WIDTH	HEIGHT	WEIGHT
		mm	mm	mm	mm	deg			kg/cm2	kw	kw	mm	lt		A mm	F mm	G mm	C mm	C+E mm	L mm	C+D+E mm	H mm	kg
HSVS CNC 3100/6	M1080	3070	6	4	0.5-1.5	10-32	16	260	11	0.37	1000	240	2	3450	350	800	1650	2700	3880	3190	2100	7800	
HSVS CNC 3100/10	M1081	3070	10	6	0.5-2.0	12-18	15	260	22	0.37	1000	360	2	3480	350	800	1800	2850	3910	3300	2200	11000	
HSVS CNC 3100/13	M1082	3070	13	8	0.5-2.5	9-14	15	260	30	0.37	1000	360	2	3520	350	800	1920	2970	3950	3385	2300	13000	
HSVS CNC 3100/16	M1083	3070	16	10	0.5-3.0	8-14	15	260	30	0.55	1000	400	2	3540	350	900	1965	3015	3970	3380	2480	16500	
HSVS CNC 3100/20	M1084	3070	20	13	0.5-3.0	6-10	16	260	37	0.55	1000	400	2	3580	350	1000	2350	3400	4010	3620	2700	21000	
HSVS CNC 3100/25	M1085	3070	25	16	0.5-3.5	4-6	15	260	45	0.55	1000	600	2	3560	350	1100	2280	3330	3990	3605	3220	23000	
HSVS CNC 4100/6	M1086	4070	6	4	0.5-1.5	16-25	21	260	11	0.55	1000	360	3	4460	350	900	2000	3050	4890	3450	2250	12000	
HSVS CNC 4100/10	M1087	4070	10	6	0.5-2.0	9-14	21	260	22	0.55	1000	360	3	4500	350	900	1920	2970	4930	3380	2360	15000	
HSVS CNC 4100/13	M1088	4070	13	8	0.5-2.5	7-14	21	260	30	0.55	1000	400	3	4520	350	1000	2280	3330	4950	3645	2630	18000	
HSVS CNC 4100/16	M1089	4070	16	10	0.5-3.0	7-12	21	260	30	0.55	1000	400	3	4540	350	1000	2300	3350	4970	3630	2800	23500	
HSVS CNC 4100/20	M1090	4070	20	13	0.5-3.0	6-9	21	260	37	0.55	1000	400	3	4570	350	1100	2350	3400	5000	3630	2900	26000	
HSVS CNC 6100/6	M1091	6070	6	4	0.5-2.0	12-18	30	260	18.5	0.55	1000	360	4	6460	350	1000	2200	3250	6890	4130	2690	22000	
HSVS CNC 6100/10	M1092	6070	10	6	0.5-2.0	6-10	30	260	22	0.55	1000	400	4	6480	350	1000	2200	3250	6910	4045	2750	30000	
HSVS CNC 6100/13	M1093	6070	13	8	0.5-2.5	6-10	30	260	30	0.75	1000	400	4	6520	350	1200	2350	3400	6950	4200	3090	38000	
HSVS CNC 6100/16	M1094	6070	16	10	0.5-3.0	5-9	30	260	37	0.75	1000	400	4	6540	350	1200	2500	3550	6970	4420	3250	43000	
HSVS CNC 6100/20	M1095	6070	20	13	1.0-3.0	5-9	30	260	37	0.75	1000	600	4	6560	350	1200	2500	3550	6990	4280	3330	48000	