

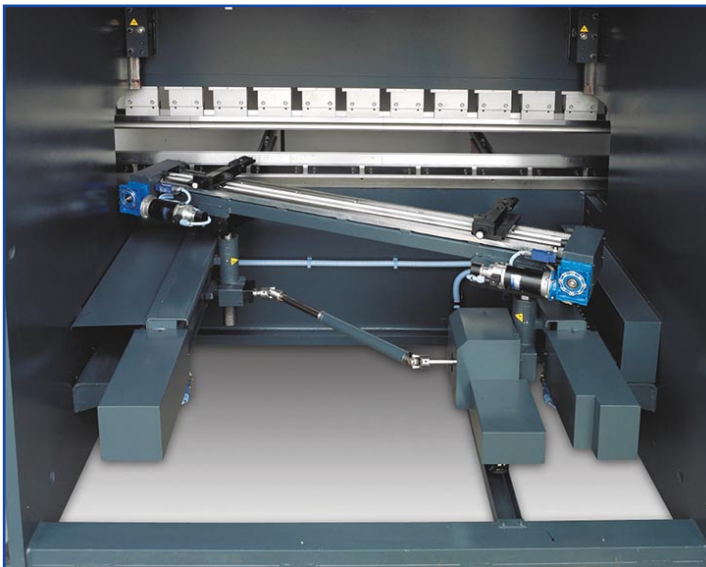
The Morgan Rushworth PBXS CNC range of hydraulic pressbrakes are fitted with the CybeleC DNC ModEva 12S 2D Multi axis controller, which is an advanced, user friendly and intuitive programming unit. While data input into the ModEva 12S is very rapid, there is also the option of preparing the production offline on a PC with the software provided, enabling feasibility checks prior to production. Multi bend operations with complex forms can therefore be effectively managed reducing operator error and over or under bending. All axes are fully synchronised and accurate to 0.01mm utilising proportional valve technology. Mono block welded steel frame ensures minimum deflection under maximum load. The PBXS CNC range spans 1250mm x 40T machines up to 8100mm x 1000T models. A comprehensive range of options including anti deflection tables, hydraulic sheet lifters, laser angle measuring system and hydraulic tool clamping are available to fully 'tailor' machines to customer requirements.



PBXS CNC RANGE PICTURED WITH OPTIONAL DELEM DA66T CONTROL



OPTIONAL ADDITIONAL BACKGAUGE FINGERS



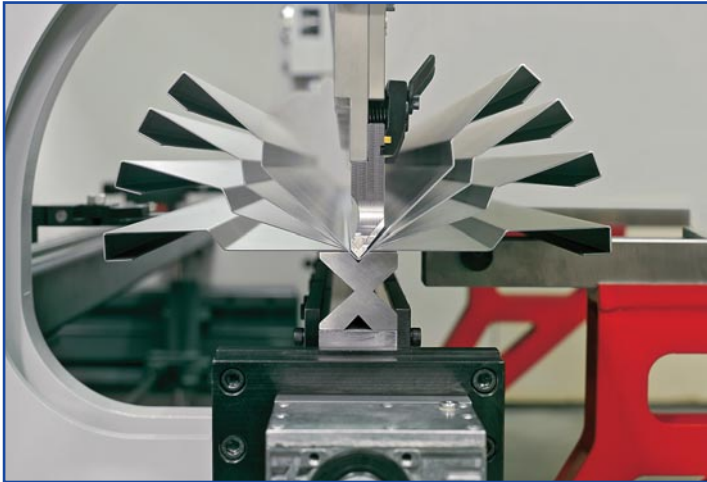
OPTIONAL X1+X2, R1+R2, Z1+Z2 CNC BACKGAUGE



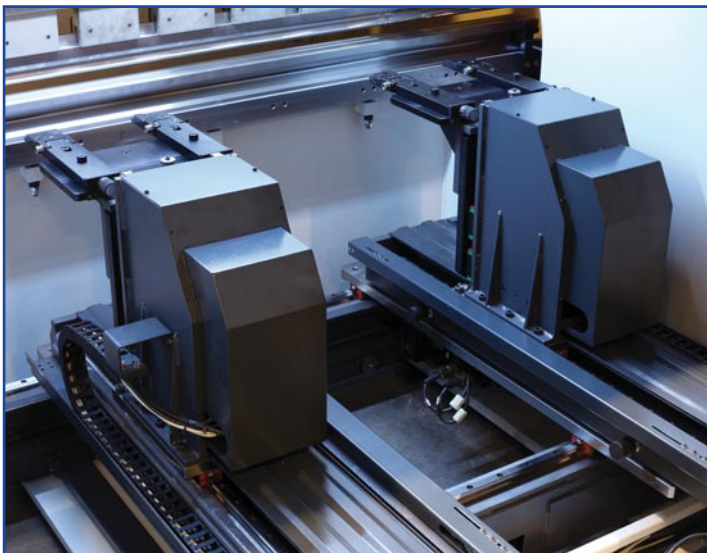
REAR VIEW

Machine Features

- Advanced Cybelec ModEva 12S multi-axis CNC control with 2D graphical view, mounted on pendant arm
- Ideal for complex multi bending operations, especially where volume production with accurate repeatability is required
- Fully synchronised CNC control for left and right upper beam cylinder position - Y1 + Y2 axis
- CNC control for backgauge depth - X axis
- Manual adjustment of backgauge height - R axis
- Manual side to side adjustment of backgauge fingers - Z axis
- AKAS laser tooling guards for enhanced ease of use
- Euro style quick release top tool holders with intermediate pieces including wedges for crowning
- Sectionalised goose neck top tool and multi vee bottom die
- Strong rigid welded mono block frame able to withstand deflection under maximum load
- High precision linear scales for measurement of stroke depth mounted on side frames rather than top beam to prevent any distortion in accuracy as beam comes under load
- Hydraulic ram travel guided in low friction slideways
- Large open height and generous ram stroke
- Deep reinforced throat in side frames
- High approach and return speeds for production bending
- Front support arms with flip stop, adjustable on a linear rail
- Dual foot switch console with emergency stop
- Electrically interlocked side guards
- Electrically interlocked rear access door



MORGAN RUSHWORTH PRECISION BENDING



OPTIONAL INDEPENDENT TOWER BACKGAUGE



FRONT LASER PROTECTION SYSTEM

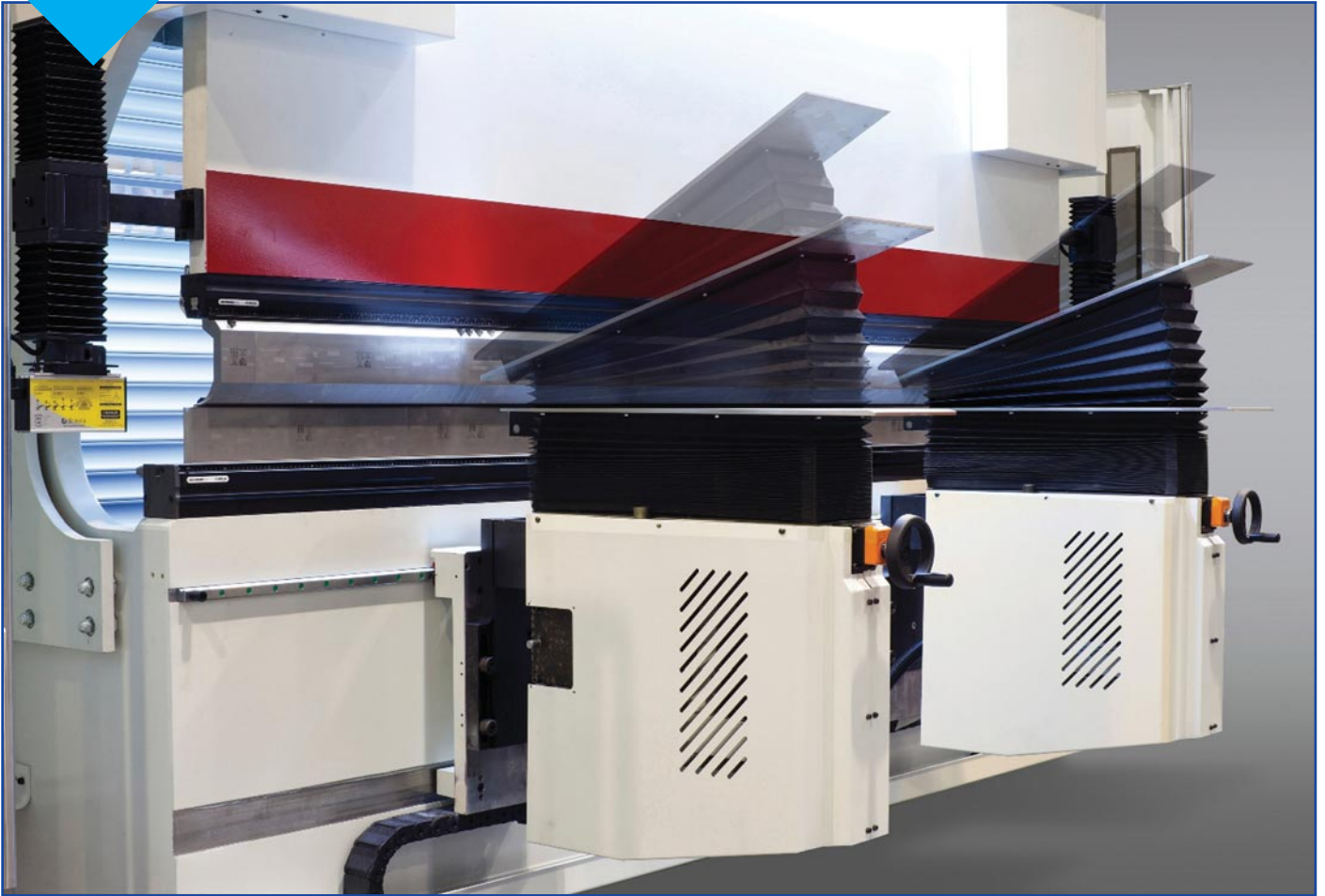
Optional Equipment

- Cybelec ModEva 12S 3D graphical CNC control
- Cybelec ModEva 15S 3D graphical touchscreen CNC control
- Delem DA66T 2D graphical touchscreen CNC control
- Delem DA69T 3D graphical touchscreen CNC control
- CNC control for backgauge height - R axis
- Independent CNC control for backgauge height - R1 + R2 axis
- CNC control for side to side movement of backgauge fingers - Z1 + Z2 axis
- Independent CNC control of backgauge depth - X1 + X2 axis
- Independent CNC tower backgauge system - X1 + R1 + Z1, X2 + R2 + Z2
- Manual bottom tool crowning system
- CNC controlled bottom tool crowning system
- Quick release top tool clamping system
- Additional backgauge fingers
- Additional front support arms
- Brush table for front support arms
- Sheet follower support arms controlled by the CNC
- Parking area for sheet follower support arms - one per side
- Laser Angle Measuring System

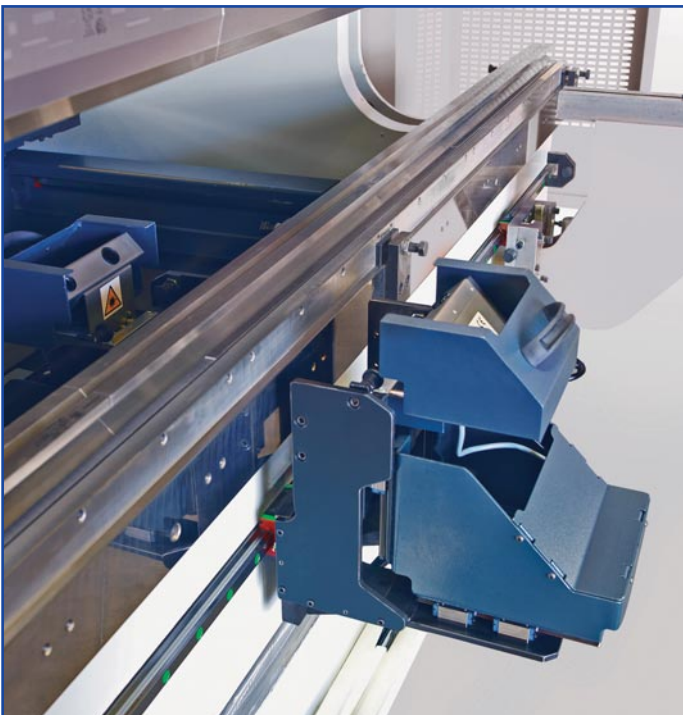
OPTIONAL DELEM DA69T CNC CONTROL



Metalworking
Solutions
Supplied



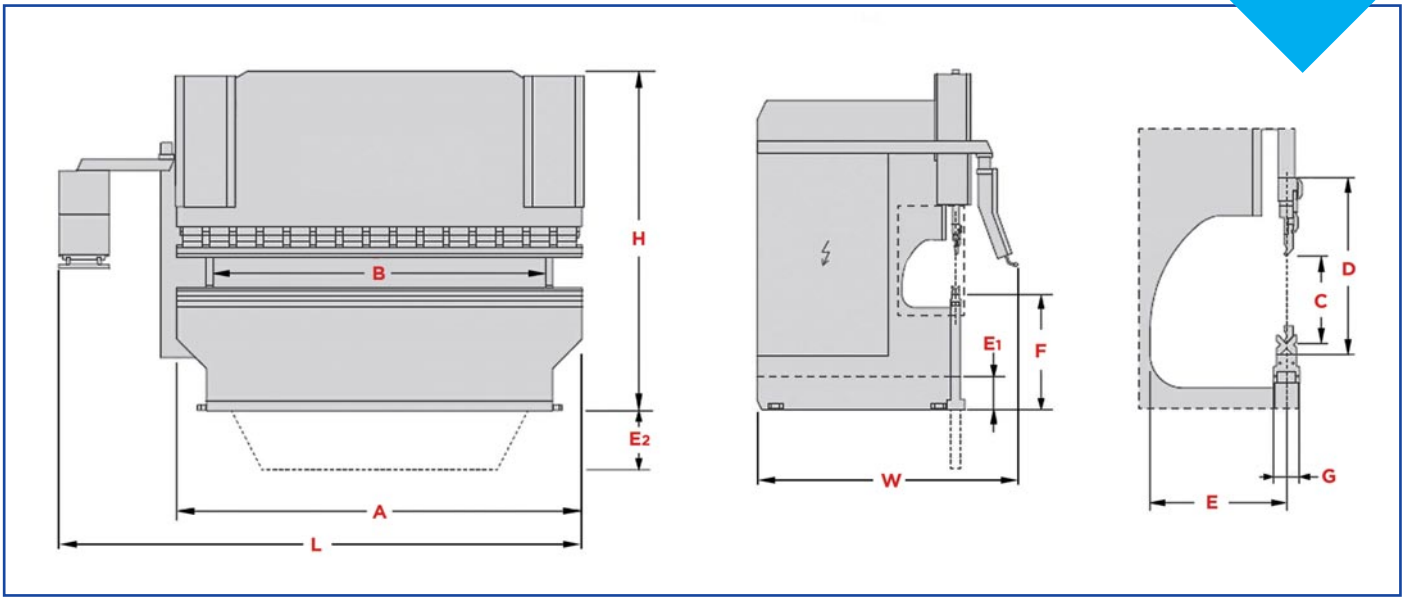
OPTIONAL SHEET FOLLOWER SUPPORT ARMS



OPTIONAL LASER ANGLE MEASUREMENT SYSTEM



OPTIONAL HYDRAULIC TOP AND BOTTOM TOOL CLAMPING



TECHNICAL SPECIFICATIONS

MODEL	STOCK CODE	BENDING POWER	BENDING LENGTH		Y RAPID SPEED	Y WORKING SPEED		Y RETURN SPEED	TRAVEL IN X AXIS	SPEED OF X AXIS		TRAVEL IN R AXIS (OPTIONAL)	SPEED OF R AXIS (OPTIONAL)	NO OF BACK GAUGE FINGERS	NO OF SHEET SUPPORT ARMS	OIL CAPACITY	MOTOR POWER	STROKE	DAYLIGHT	THROAT DEPTH	TABLE HEIGHT	TABLE WIDTH	PIT DEPTH 1	PIT DEPTH 2	LENGTH	WIDTH	HEIGHT	WEIGHT	
		Tonne	A mm	B mm		mm/sec	mm/sec			mm/sec	mm																		mm/sec
PBXS CNC 1250/40	M5200	40	1250	1070	160	10	130	1000	350	160	240	2	2	2	80	4	215	455	410	800	60				3000	2670	2250	3300	
PBXS CNC 2100/60	M5201	60	2100	1600	150	10	130	1000	350	160	240	2	2	2	140	5.5	210	475	410	880	60				3850	2780	2542	5400	
PBXS CNC 2600/60	M5202	60	2600	2050	160	10	130	1000	350	160	240	2	2	2	140	5.5	210	475	410	880	60				4350	2780	2542	6200	
PBXS CNC 2600/90	M5203	90	2600	2050	150	10	130	1000	350	160	240	2	2	2	140	7.5	260	540	410	880	60				4350	2780	2605	7100	
PBXS CNC 3100/90	M5204	90	3100	2550	160	10	130	1000	350	160	240	2	2	2	140	7.5	260	530	410	880	60				4850	2790	2605	7900	
PBXS CNC 3100/120	M5205	120	3100	2550	160	10	130	1000	350	160	240	2	2	2	140	11	260	540	410	880	60				4850	2790	2905	8400	
PBXS CNC 3100/160	M5206	160	3100	2550	160	10	130	1000	350	160	240	2	2	2	210	15	260	540	410	880	60				4850	2800	2905	9700	
PBXS CNC 3100/200	M5207	200	3100	2550	150	10	130	1000	350	160	240	2	2	2	210	18.5	260	530	410	880	90				4850	2800	2905	10000	
PBXS CNC 3100/240	M5208	240	3100	2550	130	10	120	1000	350	160	240	2	2	2	210	22	320	660	530	410	880	90				4850	2810	2905	11000
PBXS CNC 3100/300	M5209	300	3100	2550	110	8	100	1000	350	160	240	2	2	2	280	22	320	660	500	905	380				4850	3015	3150	15000	
PBXS CNC 3100/440	M5256	440	3100	2550	80	8	70	1000	350	160	240	2	2	2	450	30	320	575	500	1005	450				4850	3260	3400	2200	
PBXS CNC 3700/120	M5210	120	3700	3250	170	10	130	1000	350	160	240	2	2	2	210	11	260	530	410	870	60				5450	2830	2905	9400	
PBXS CNC 3700/160	M5211	160	3700	3250	170	10	130	1000	350	160	240	2	2	2	210	15	260	530	410	880	60				5450	2800	2905	10700	
PBXS CNC 3700/200	M5212	200	3700	3250	150	10	130	1000	350	160	240	2	2	2	210	18.5	260	530	410	880	90				5450	2800	2905	11200	
PBXS CNC 3700/240	M5213	240	3700	3250	140	10	120	1000	350	160	240	2	2	2	210	22	260	530	410	880	90				5450	2810	2905	13500	
PBXS CNC 3700/300	M5214	300	3700	3250	120	8	110	1000	350	160	240	2	2	2	280	22	320	635	500	980	280				5450	3020	3200	17000	
PBXS CNC 4100/160	M5215	160	4100	3550	170	10	100	1000	350	160	240	4	2	2	210	15	260	530	410	880	60				5850	2800	2905	12000	
PBXS CNC 4100/200	M5216	200	4100	3550	160	10	110	1000	350	160	240	4	2	2	210	18.5	260	530	410	880	90				5850	2800	2905	12500	
PBXS CNC 4100/240	M5217	240	4100	3550	150	10	100	1000	350	160	240	4	2	2	210	22	260	530	410	880	90				5850	2810	2905	14000	
PBXS CNC 4100/300	M5218	300	4100	3550	120	8	90	1000	350	160	240	4	2	2	280	22	320	635	500	980	280				5850	3020	3200	18500	
PBXS CNC 4100/440	M5219	440	4100	3550	80	8	70	1000	350	160	240	4	2	2	450	30	320	590	500	955	380				5850	3435	3350	26000	
PBXS CNC 6100/160	M5220	160	6100	5100	140	10	100	1000	350	160	240	4	4	4	240	15	260	510	500	1000	90				7850	3160	2850	20000	
PBXS CNC 6100/240	M5221	240	6100	5100	140	10	100	1000	350	160	240	4	4	4	300	22	260	500	500	1100	90				7850	3160	3000	25000	
PBXS CNC 6100/300	M5222	300	6100	5100	120	8	70	1000	350	160	240	4	4	4	300	22	320	560	500	1115	200				7850	3260	3280	30000	
PBXS CNC 6100/380	M5223	380	6100	5100	90	8	70	1000	350	160	240	4	4	4	450	30	320	570	500	1100	240				7850	3410	3255	35000	
PBXS CNC 6100/440	M5224	440	6100	5100	90	8	70	1000	350	160	240	4	4	4	450	30	320	570	500	1100	280				7850	3450	3700	39000	
PBXS CNC 6100/500	M5225	500	6100	5100	80	8	70	1000	350	160	240	4	4	4	450	37	340	530	500	815	380	250	800	7850	3550	3500	48000		
PBXS CNC 6100/600	M5226	600	6100	5100	80	7	70	1000	350	160	240	4	4	4	500	37	360	620	500	1050	380	370	1150	7850	3600	4100	55000		
PBXS CNC 6100/800	M5255	800	6100	5100	70	6	60	1000	350	160	240	4	4	4	700	45	500	750	750	1050	500	600	1200	7850	4000	4750	70000		
PBXS CNC 6100/1000	M5257	1000	6100	5100	70	6	60	1000	350	160	240	4	4	4	860	55	500	750	750	800	500	700	1500	7850	4100	4900	80000		
PBXS CNC 8100/1000	M5258	1000	8100	6050	70	5	60	1000	350	160	240	4	4	4	860	55	500	750	750	800	500	700	1900	9850	4200	5000	95000		