

Model 'C' & 'CL' Caterpillar Haul-Offs



- AC Vector Drive for precise speed holding
- Heavy-Weight design for trouble free pulling
- Range of options to customise to any application
- Range of belts to ensure consistent product grip

Accurate & consistent pulling for tubing, flexible & rigid profiles

Proven Worldwide Reputation : Boston Matthews are the originators of the Caterpillar Haul-Off. Over 10,000 Model 'C's are in daily use around the world making it the world's most popular haul-off and the Industry Standard for more than 40 years.

Increased Accuracy & Torque: An AC Motor with Forced Ventilation and encoder feedback driving through a precision helical gearbox; high torque vertical shaft; and bevel gears ensures maximum transmission efficiency providing consistent, noise-free operation with an improved torque range.

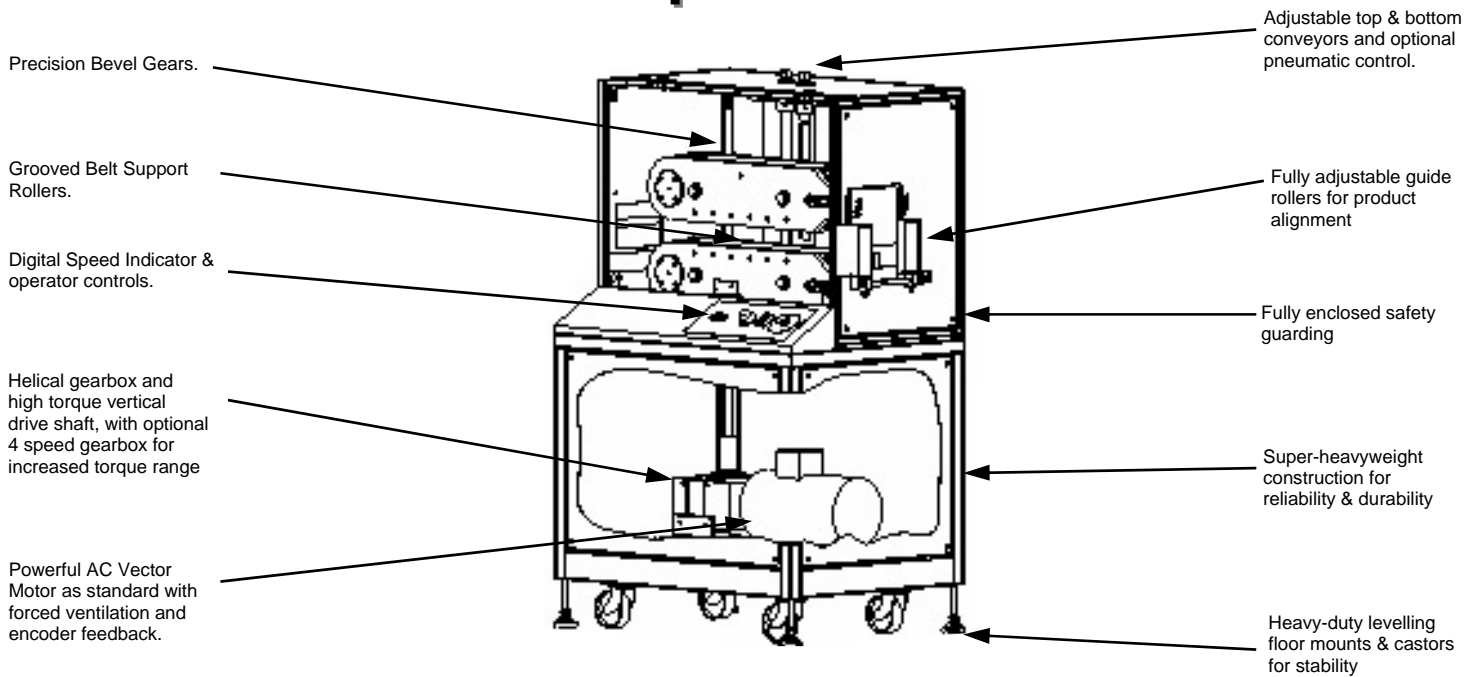
Reduced Running Costs : Grooved Belt Support Rollers improve belt tracking and prolongs the life of the belts. AC Vector Drive & high efficiency transmission reduces energy consumption by as much as 5% when compared to the DC alternatives. The absence of motor brushes provides virtual maintenance free

Line Integration: The Model 'C' can be configured to integrate with any existing extrusion line.

Operator Safety : CE marked with fully enclosed interlocked safety guard fitted as standard. 24V operator controls comply with all current LVD (Low Voltage Directive.) whilst RFI Filters comply with the EMC Directive.

Boston Matthews are dedicated to the design, development & production of world class plastics processing equipment

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Technical Specification & Dimensions

Model			C110	C150	C200	CL110	CL150	CL200
Belt width	<i>mm</i>		110	150	200	110	150	200
Conveyor Length	<i>mm</i>		700	700	700	1000	1000	1000
Maximum Opening	<i>mm</i>		120	120	120	120	120	120
Centreline Height	-Minimum	<i>mm</i>	960	960	960	960	960	960
	-Maximum	<i>mm</i>	1070	1070	1070	1070	1070	1070
Motor	-Standard	<i>kW</i>	1.1	1.1	1.1	1.1	1.1	1.1
	-Option	<i>kW</i>	1.5	1.5	1.5	1.5	1.5	1.5
	-Option	<i>kW</i>	2.2	2.2	2.2	2.2	2.2	2.2
Standard Speed & Torque Ranges (Alternative speed ranges and a Four speed gearbox for an extended range are also available)	Nominal Speed Range		Actual Speed Range		Pulling Power (Newtons)			
			mpm	Min.	Max.	1.1kW Motor	1.5kW Motor	2.2kW Motor
			0-5	0.1	5.2	8,715	11,805	na
			0-10	0.2	10.6	4,445	6,025	9,220
			0-20	0.4	21	2,435	3,275	4,875
			0-30	0.6	30	1,570	2,155	3,240
			0-40	0.8	42	1,180	1,600	2,415
			0-60	1.2	58	845	1,150	1,725
			0-90	1.8	91	555	740	1,085
			0-120	2.3	116	430	585	845
		0-160*	3.2	160	320	435	630	
		0-200*	4.1	205	265	360	525	
		0-280*	5.6	280	190	265	385	
Total Installed Power	-Standard	<i>Amps</i>	11	11	11	11	11	11
Dimensions	-Length	<i>mm</i>	895	895	895	1345	1345	1345
	-Width	<i>mm</i>	655	655	755	655	655	755
	-Overall Height	<i>mm</i>	1390	1390	1390	1390	1390	1390
Net Weight	-Standard	<i>Kg</i>	450	465	475	580	595	605

Our Policy of continuing design, materials and manufacturing improvement means that some modifications to this specification may be included

* with Spiral Bevel gearbox option
na = not available

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