

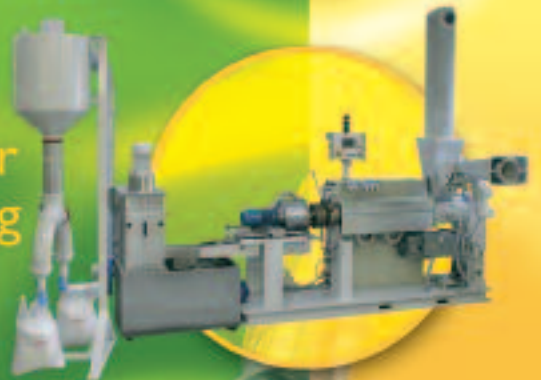


complete recycling solutions

Air
Cooling



Water
Cooling



Silo &
Shredder



Complete
Installation



Using Munchy's patented dual-diameter screw, a wide range of materials and material forms can be efficiently converted into 1st Grade Quality Pellets.

Materials Recycled:

- LDPE
- LLDPE
- MDPE
- HDPE
- Metallocene
- PP
- BOPP
- OPP
- PS
- HIPS
- ABS
- TPO
- Surlyn
- Co-Extrusion Blends

unique dual-diameter technology

The patented MUNCHY Dual-Diameter Screw reduces the time the polymer spends in the extruder reducing thermal degradation to a minimum. The resultant pellet is far greater in quality, which enables a higher percentage to be fed back into the production process.

INSIZOR

The Dual-Diameter's 'INSIZOR FEED' feature has been designed especially to assist with the recycling of Film (Edge Trim).

The INSIZOR helps to 'break-up' the film increasing the input into the MUNCHY and ensuring a 'stable' recycling operation.



intelligent design

Through a policy of continual investment into machine design and development Design Engineers using 3D Parametric Design Technology ensures the latest innovations are incorporated into the entire range of equipment.

quick and easy maintenance

Using the latest 3D Parametric Computer Design Software the MUNCHY's 'Open-Style Construction' allows for fast & easy maintenance and cleaning. Features such as Plugs & Sockets allow for routine maintenance and replacement to be carried out by the operator without the need for dedicated maintenance personnel.

A PLC "Touch-Screen" Control fitted as standard provides additional features including:

- Alarms and Interlocks to ensure safe, reliable operation with minimal operator intervention
- On-Screen Diagnostics for easy fault-finding
- Password Protection for security
- Multi-language capability
- Optional Modem for remote service support



Open Style Construction



Easy access for cleaning



Operator Maintenance

energy-efficient recycling

Direct-Drive Technology ensures maximum power is transferred from the motor to the screw. A powerful AC motor provides dust-free, low cost operation.

The MUNCHY range incorporates the latest 'Accutrol' Temperature Control System to ensure precise control of the processing temperature of the polymer consistent with reduced energy consumption.



options



A comprehensive list of options is available to enable you to customise the Munchy exactly to your requirements. These include :

- Static Eliminators
- Metal Detectors
- Crammer Feeding
- Hydraulic Screen Changers
- Vented Barrel for printed or wet material
- Variable Speed
- Strand Pelletising

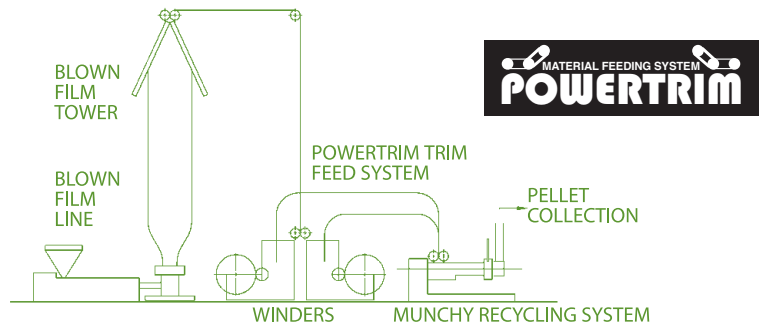
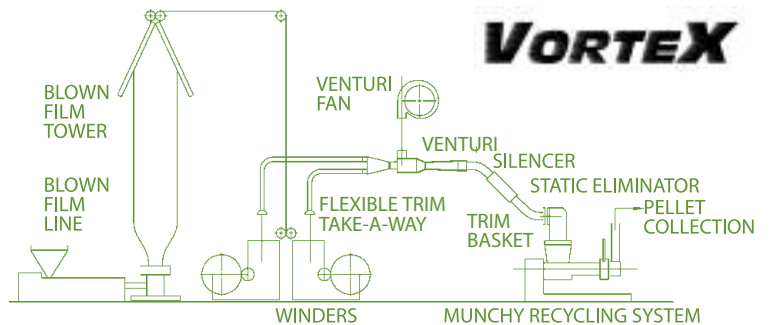
material handling solutions

The method by which the scrap material is presented to the MUNCHY plays a vital role in the success of the recycling operation. Using over 20 years plastics recycling experience MUNCHY can provide the most effective solution. This may include a combination of feeding methods.

online feeding

The MUNCHY can be positioned to take trim directly from your blown film line(s) for a completely closed-loop system.

The 'compact' single-unit allows the MUNCHY to be easily positioned alongside the main production operation without being obstructive or using vital floor space. These features have made MUNCHY the preferred recycling method of the Blown Film Industry.



off line reels

If the scrap material is to be processed off-line then the MUNCHY can be fed using the In-Feed Roller System

- Capable of Multiple feed rolls
- Controlled Feed Systems ensures consistent, non-supervised feed
- Powerful in-feed rolls with clear & easy access
- Unique 'Reel Reverse' feature assists with reel 'blockage'

model range and specification

		40	60	100	150	250	350	500	1000	1250	
Screw Diameter	mm	95/40	95/50	130/60	130/80	150/90	150/100	180/120	250/160	250/180	
L:D Ratio		10:1	8:1	10:1	11:1	11:1	12:1	15:1	20:1	20:1	
AC Motor	- Size	kW	11	15	30	40	55	90	110	240	360
	- Fixed Speed		std.	std.	std.	std.	-	-	-	-	
	- Variable Speed		option	option	option	option	std.	std.	std.	std.	
Direct Drive Gearbox/Motor		std.	std.	std.	na	na	na	na	na	na	
'INSIZOR' FEED SYSTEM (not fitted on Silo Systems)		std.	std.	std.	std.	std.	std.	std.	std.	std.	
Temperature Zones	- Heated		4	4	5	5	6	7	8	10	10
	- Cooled		1	1	2	2	3	4	5	7	7
	- Heating Power kW		6.85	8.50	10.25	13.50	19.50	26.50	37.00	62.00	93.00
Screen Changer (Filter)		option	option	option	option	std.	std.	std.	std.	std.	
	- Diameter	mm	50	50	60	80	90	100	120	160	180
Die Face		std.	std.	std.	std.	std.	std.	std.	std.	std.	
Die Face Cutter	- AC Motor Variable Speed	kW	0.75	0.75	0.75	0.75	0.75	0.75	1.5	1.5	1.5
	- No. of Blades standard		2	2	4	4	4	4	4	4	4
Auto Pellet Control		std.	std.	std.	std.	std.	std.	std.	std.	std.	
Pellet Cooling Methods	- Air		✓	✓	✓	✓	✗	✗	✗	✗	✗
	- Water		✓	✓	✓	✓	✓	✓	✓	✓	✓
Air Cooling Cyclones	Std.	2	2	2	2	na	na	na	na	na	
Output LDPE	- Minimum	Kgs/Hr	8	15	30	35	50	60	75	100	125
	- Maximum	Kgs/Hr	40	60	100	150	250	350	500	1,000	1,250
Power	- Total Connected	kW	20	26	42	57	77	119	150	240	250
	- Average Running	kW	13	17	27	37	50	77	100	180	200
Dimensions (L x W)	- Air	mm	1,850 x 700	2,000 x 750	2,100 x 800	2,200 x 830	na	na	na	na	na
	- Water	mm	3,100 x 700	3,200 x 750	3,700 x 800	3,900 x 830	4,860 x 1,000	5,400 x 1,400	5,900 x 1,450	8,500 x 2,000	10,300 x 2,000
Weight	Kgs	950	1,000	1,100	1,400	1,800	2,100	2,800	5,500	7,500	

worldwide support

The Boston Matthews Group of Companies has over 23,000 machines in 70 countries in daily operation around the world. These are fully supported by manufacturing facilities in the UK and USA and a network of representation that ensures technical support is available wherever it is required.



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