

The slow speed specialist

# TITAN PLUS



Metal detection system





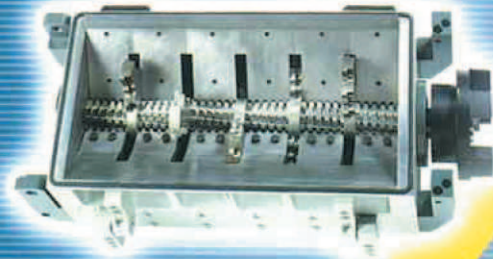
**Level detector**

*optional on the material bin*

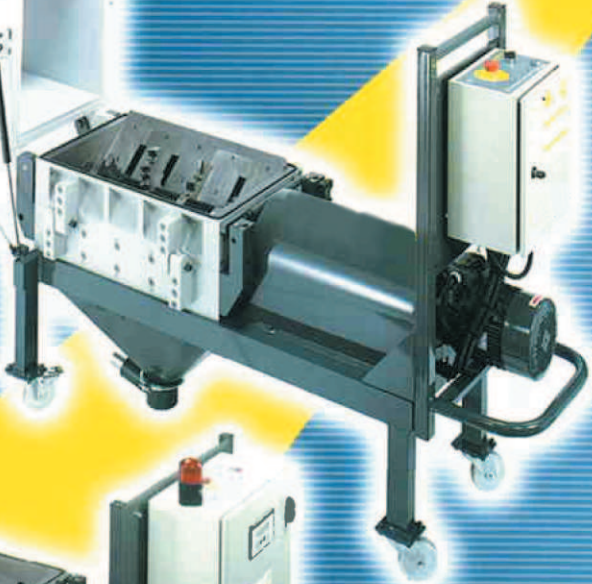


**LCD display**

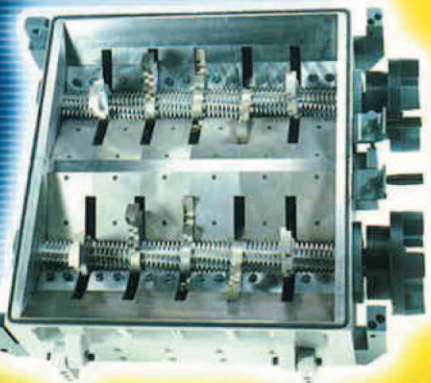
*On the electrical cabinet,  
displays troubleshooting  
messages*



**TITAN Plus**



**TITAN TWIN Plus**



**The TITAN Plus power :**

The *Titan Plus* granulators benefit from MO-DI-TEC's slow speed technology and ability to recycle larger plastic pieces such as automotive components, bumpers and TV housings.

- 1 model is available in the *Titan Plus* range with a cutting chamber 746x400 mm with 5 cutters, power geared motor 4 kW.
- 2 models are available in the *Titan Twin Plus* range with cutting chambers with 8 or 10 cutters, POWER GEARED MOTOR 2x4 kW.

**Several innovative options** are available such as anti-blocking (ABS) system, cabinet with LCD display, patented Masher system, patented new integrated metal detection (IMD).

# MASHER system

Available on the *Titan Plus* line as an option, the patented Masher system will accurately pull bulky reject parts into the cutting chamber and push them into the rotor.

The rotational hooks of the Masher are assembled on a shaft which is located in a mechanical frame between the hopper and the cutting chamber. The Masher hooks grab the parts and push them onto the cutters of the cutting chamber. The Masher is run on an automatic cycle which checks the granulator feed and guarantees user safety.

The third shaft Masher is designed to avoid the stagnation of the pieces in the cutting chamber. Since it rotates in both directions, all the pieces are transferred into the cutting chamber. An optional double Masher on the *Titan Twin Plus* or angled cutters enables the capture of larger and bulkier pieces.



Double Masher option



## Integrated Metal Detection

This new patented concept was designed to avoid serious damage should metal parts fall into the cutting chamber.

The *Titan Plus* granulator rotor stops within 40 milliseconds when the system detects a metal part (by contact between 2 areas in the cutting chamber). The LCD display on the electrical cabinet displays a troubleshooting message that metal has been detected.

The *significant advantages* for the user are : **increased productivity** (production is only stopped to remove the metal object), **significant savings** in repair cost.

This optional feature is always combined with the ABS system.



Titan Plus combs



## Specifications



GRANULATORS		TITAN Plus	TITAN TWIN Plus 8	TITAN TWIN Plus 10
<b>TRANSMISSION</b>		Flexible coupling		
Motor power	kW	4 (option 5.5 kW)	2 x 4 (option 2 x 5.5 kW)	
Speed	r.p.m.	25		
Cutting chamber	mm	746 x 400	618 x 840	746 x 840
Number of cutters		5	8	10
Cutter diameter	mm	320		
Number of rollers with teeth		6	10	12
<b>OVERALL DIMENSIONS</b>				
Standard/Option 5.5 kW	length	1840 / 2055		-
	width	620		-
	height	1778		-
<b>WITH MASHER SYSTEM</b>				
with Masher/Option 5.5 kW	length	2019 / 2235	1888 / 2107	2019 / 2235
	width	620		1080
	height	2090	2171	2171
<b>WEIGHT</b>				
Standard / with Masher		900/1100	- / 1880	- / 2080

# TITAN Plus applications

With beside press operation, TITAN Plus granulators are particularly adapted for recycling sprues and bulky plastic pieces from the automotive, appliance and computer industries.

In these sectors, many new materials developed by manufacturers (glass or mineral filled) are now used. We obtain very good results by grinding these new engineering materials with the TITAN Plus range.

TITAN Plus granulators can be fed manually, by conveyor belt or by sprue picker. MODITEC granulators are extremely robust and easy to maintain. Combs and cutters are reversible to reduce maintenance cost.

TITAN Plus granulators have all the advantages of slow speed:

- very little dust
- no longs
- low heat generation
- no molecular structure damage to the granulate
- low wear
- low noise level
- energy saving (2x4 kW) due to the use of a speed reducer and a superior cutting method
- easy to clean



Angled cutters option



Cutting chamber with plastic rejects

04/2006 - Subject to alteration



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