

The low speed specialist

GOLIATH PLUS



Metal detection
system



moditec[®]
The passion for the plastic technology



Soundproofed hopper type C



The ABS system cabinet with LCD display

Improved and handled by a smart relay. A front operator dialogue screen indicates all the granulators basic malfunctionings.

NEW



GPlus 1



Granulometry

NEW

3 types as standard : tpz 5, tpz 6 and tpz 8. The teeth unique conception, both trapezoid and helical, gives an optimum quality of granules.



GPlus 2



GPlus 3



GPlus 4



GOLIATH Plus

GOLIATH Plus :
Slow speed experience !

20 year experience in slow speed technology enables MODITEC to perfect its granulators and to introduce its new range GOLIATH Plus.

GOLIATH Plus granulators not only offer all the advantages to grind thermoplastics at low speed, that is to say with less noise, less dust and less

wear on the equipment thanks to a low cutting speed (25 rpm) and a minimum horsepower requirement, but GOLIATH Plus granulators also develop important innovations such as reversible combs and counter combs, various tpz granulometries, ABS cabinet with LCD display (optional), MASHER system (optional) and the new Integrated metal detection IMD (optional)



MASHER System

Available on GOLIATH Plus and GOLIATH TWIN Plus as an option, the patented MASHER system will accurately pull large bulky reject parts into the cutting chamber. The rotational cutters of the MASHER are assembled on a rotating shaft fixed in a frame which is located between the hopper and the cutting chamber. These cutters will grab the parts and direct them easily into the cutters of the cutting chamber.

On the GOLIATH Plus granulator, the MASHER system has a rotating shaft, temporized and alternated, which makes all the pieces transfer in the cutting chamber easier and avoid their stagnation (optional on this system : ABS system on the rotor and MASHER system



Angled cutters (details)

shaft run by an automatic cycle)

On the GOLIATH TWIN Plus granulator equipped with MASHER system, the ABS system (on the 2 rotors and the MASHER shaft) is included as standard.

The MASHER is run by an automatic cycle which checks permanently each of the 3 gear motors and fits the rotational movement and the stops according to the form and the dimension of the parts, providing the best grinding.

The MASHER system on GOLIATH Plus and GOLIATH TWIN Plus granulators enables you to granulate large reject parts directly beside the press.



Open chamber and patented MASHER system

OPTIONS

Available on GOLIATH Plus and GOLIATH TWIN Plus granulators as an option, the anti-jamming ABS system, larger material bins, special hoppers, automatic hoppers, cooling circuit, 2.2 kW gear motors or level sensors.



Integrated detection

IMD (Integrated Metal Detection)

The technological advance

This new patent pending concept, was designed to avoid serious damages in case of a metallic part falling down into the cutting chamber.

Actually, as soon as a metal part is detected by this system (by contact between 2 areas in the cutting chamber), the GOLIATH Plus granulator rotor stops immediately : within 40 milli seconds. The operator will read at the same time, on the LCD screen of the electrical cabinet, the corresponding malfunctioning message

The significant advantages for the user are :

- to maintain productivity as the production is stopped only during the cutting chamber cleaning,
- a significant saving in repair cost (cutting chamber, press screw , mould, etc...).

This process, including the ABS system, is optional on some of GOLIATH Plus and GOLIATH TWIN Plus granulators. Contact us for further details !

