

GenesisNext



ADAPTIVE DRYER

From 400 to 5,000 m³/h

High performance, fully automatic, mono hopper drying system that reduces the production costs.

Genesis Next is the cutting edge solution for

- Optimising the energy usage
- Scrap reduction thanks to continuous tracking of injection pressure

Moisture Minder measurements, on-line residual humidity in plastic granules, are integrated in the GenesisNext control.

GenesisNext is also a step toward circular economy: with PureTech filtration system, available as an option, an advance filtration of the VOC present in the process air is possible. This is especially required in case of recycled materials that can release low boiling substances during the heating or injection process and preserve the desiccant towers.

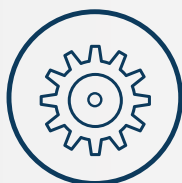
The control of GenesisNext is designed also to combine together two machines, with a single HMI, in order to extend the application range.



Final product costs reduction

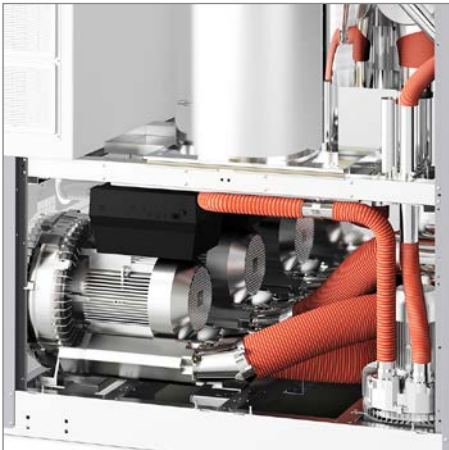


Ideal for producing with recycled plastic



Absolute process stability

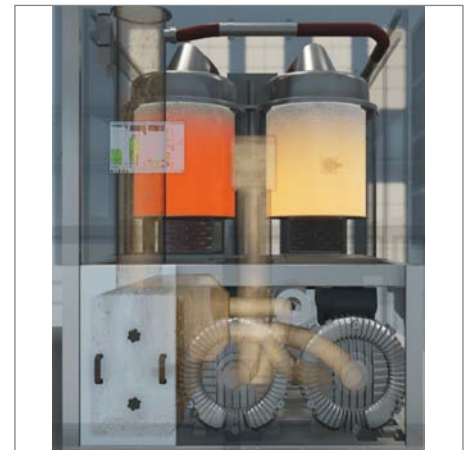
- Range** 400 –3,500 m³/h—multi-dryer solution available for higher throughput
- Versions** Dual-dryer, with electrical heater, combined heating (electrical + gas burner) or with gas burner
- Options** PureTech activate carbon process filter, regeneration circuit with/without water or with energy recovering valve, air conditioning for high temperature environments, Dew Point stabilizer, remote display, integrated energy meter.



Process blower with on board frequency converter and Can Open communication interface to be fully integrated in the control



Intuitive HMI with 10" coloured touch panel and PLC advance control with high computing capacity for a full process control



Optimized internal circuit with the new energy recovering valve for the regeneration circuit

	Air flow rate (m ³ /h)	Min flow rate	Reference PET chips production (kg/h)	Process pump	Frame	Heater	Electrical heater (V/Ph/Hz)
GN40	400	110	130	1	A	Internal	400/3/50, 380/3/60, 440/3/60, 460/3/60, 460/3/60 UL
GN50	500	110	200		B		
GN70	700	170	300		C		
GN100	1,000	230	400				
GN150	1,500	310	600				
GN180	1,800	380	760				
GN250	2,500	820	930	2	D	External	
GN270	2,700	610	1,070				
GN350	3,500	1,020	1,380				
GN400	4,000	1,350	1,610	3	E	External	
GN500	5,000	1,250	1,800				

EN_Piovan_GenesisNext_DSC_23_00 | Non contractual document