

MOLINARI



GRANULATORS  
**TG SERIES**

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### *Granulator mod TG 3500*

THE TG GRANULATOR WAS BORN AS AN EVOLUTION OF THE TP SERIES PRIMARY SHREDDER. THE MAIN FEATURES OF THIS MACHINE ARE ITS ROBUSTNESS AND RIGIDITY, WHICH RESULT IN A BETTER RUBBER-CUTTING PERFORMANCE.

WHAT GUIDED THE DESIGN OF THE GRANULATOR WAS THE DESIRE TO PURSUE THE ECONOMIC SUSTAINABILITY OF THE COMPANY THAT WILL USE IT, AS FAR AS THIS CONCEPT CAN BE APPLIED TO SUCH A MACHINE.

FOR THIS REASON, WE DECIDED TO CREATE A MACHINE CAPABLE OF REUSING THE WEARING PARTS THAT ARE DISASSEMBLED FROM THE PRIMARY SHREDDERS. THIS FACTOR IS VERY INTERESTING BOTH FROM AN ECONOMIC POINT OF VIEW IN TERMS OF SAVINGS ON CONSUMABLES, AND FROM THE POINT OF VIEW OF ENVIRONMENTAL PROTECTION FOR THE PROCESSING OF RAW MATERIALS.

THE NEGATIVE RAKE OF THE BLADES COMBINED WITH THE PERIPHERAL SPEED OF THE ROTOR MAKE IT POSSIBLE TO SEPARATE THE WIRE FROM THE RUBBER.

*a machine  
capable of reusing  
the wearing parts  
that are disassembled  
from the primary shredders*

*Input*



SHREDS COMING FROM TP WITH  
SCREEN 80X80



*Output*



STEEL



RUBBER + TEXTILE CHIPS

### COOLING

SPECIAL PROBES SEND THE TEMPERATURE DATA OF THE MACHINE DIRECTLY TO THE PLC, IN ORDER TO ALERT THE OPERATOR IN THE EVENT OF ABNORMAL OVERHEATING.

### BODY

ROBUST STRUCTURE IN CARPENTRY, VERY THICK WELDED, MACHINED IN ITALY WITH CNC MACHINES. POSSIBILITY TO ADD WATER DURING THE SHREDDING TO BREAK DOWN THE DISPERSION OF THE TEXTILE-DUST IN THE ENVIRONMENT.

*Strong  
Points*

*Low energy  
consumption*

*Steel-free chips, suitable  
for AF and SRM*

*Exploitation of wire  
liberated from shreds*



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## Technical Features



### MOLINARI S.R.L.

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NEAREST AIRPORT:  
BGY (BERGAMO)

HIGHWAY EXIT:  
A4 DALMINE / BERGAMO



<b>GENERAL FEATURES</b>	ABOUT 4.500 X 3.300 X H 3.500 MM
<b>TOTAL WEIGHT</b>	ABOUT 42 TON
<b>LOADING DEVICE</b>	CONVEYOR BELT
<b>UNLOADING DEVICE</b>	MOBILE CONVEYOR
<b>ROTOR</b>	LENGTH: ABOUT 3.500 MM DIAMETER: 860 MM
<b>BLADES</b>	NR. 90 NEGATIVE RAKE ROTARY BLADES NR. 19 FIXED BLADES
<b>TRAVERSE ADJUSTMENT</b>	NR. 2 MANUALLY OPERATED PISTONS
<b>LUBRICATION</b>	BY GREASE
<b>SCREEN</b>	CONSISTING OF 2 PARTS 1 SET WITH 20MM SIZE HOLES
<b>POWER</b>	315 KW
<b>SPEED</b>	100 RPM
<b>TRANSMISSION</b>	BELTS AND EPICYCLOIDAL GEARBOX
<b>BELTS</b>	NR. 10 SPC BELTS
<b>REMOTE MODEM MANAGEMENT</b>	INCLUDED, THE CLIENT WILL ONLY HAVE TO PROVIDE THE INTERNET ACCESS
<b>PAINTING</b>	STANDARD MOLINARI. RAL7043

