



M.A RAJA & SONS PVT LTD.
PLASTIC FLAKES DENSITIES OR AGGLOMETER



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TO BE THE BEST
PLASTIC MACHINERY MANUFACTURER

M.A RAJA & SONS PVT LTD.

Plastic Flakes Densities or Agglomerator

QUICK DETAILS

Material Processed:	Film	Plastic Type:	PE,PP,HDPE,LDPE, BOPP, LLDPE
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SPECIFICATIONS

1. It is used to Agglomerate the plastics before granulating/pelletizing
2. Easy operation
3. CE

1. FEATURES:

The plastic flakesdensities or agglomerator is used to granulate the thermal plastic films, PET fibers, whose thickness is less than 2 mm into small granules & pellets directly. The soft PVC, LDPE, HDPE, PS, PP, foam PS, PET fibers and other thermo plastics are suitable for it.

2. WORKING PRINCIPLE:

When the waste plastic is supplied into the chamber of such machine, it will be cut into smaller chips due to the crushing function of the rotating knife and fixed knife. During the crushing processing, the material that soaked up lots heat from the frictional movement of material being crushing and the wall of container will be going to become semi-plasticizing state. The particles will stick with each other due to the function of plasticization. Before it sticks each other completely, the cold water preprepared is sprayed into the material being crushed. The water will be evaporated off quickly and the surface temperature of material being crushed drop down quickly also. So the materialbeing crushed will become small particles or granules. It is easy to recognize the particles by different size and can be colored by using of color agent being putted into the container during the crushing processing.

3. Main Technicial Parameter:

Model	R-200	R-300	R-450	R-600
Volume	200L	300L	450L	600L
Effective capacity	100L	200L	350L	450L
Rotating blade Qty	4	4	4	4
Fixed blade Qty	7	7	7	7
Rotating speed	725 rpm	725 rpm	800 rpm	800 rpm
Motor power	30kw	55kw/75kw	90kw	110kw
Output	125-200kg/h	250-300kg/h	350kg/h	500kg/h