

TWP Series Single-shaft shredding and crushing integrated machine



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- The TWP series shredder and crusher, meticulously developed by the TRYONE team, optimizes the original three-step connection design (shredding-conveying-crushing), eliminating the conveyor between the shredder and crusher. It adopts a "zero-drop vertical connection design": unlike the simple stacking on the market, the shredder and crusher are integrated into one, and a pusher box is provided for forced material pushing, which has the advantages of low speed, low noise, high torque, and energy saving. After shredding, the material falls directly into the crushing chamber and is cut into granules, without clogging or splashing, truly achieving closed-loop two-stage crushing.
- The integrated design can save customers 70% of valuable floor space in their workshops. It adopts TRYONE third-generation dual-chamber integrated control system to achieve dynamic load balance between the shredding chamber and the crushing chamber. When the lower crushing chamber is momentarily overloaded, the upper shredder automatically slows down the feeding to avoid jamming - this is not only overload protection, but also intelligent torque distribution.
- "In response to the high impact characteristics of rubber head material, the TWP series shredder roller adopts TRYONE unique 'deep cryogenic tempering process', which greatly improves the toughness of DC53 material and enhances wear resistance; the shredder moving blade adopts a 'staggered stepped' installation structure, which increases the cutting efficiency by 30% compared to the traditional SKD-11 straight blade."
- Achieving perfect coordination between the shredding and crushing chambers, and incorporating overload protection and other interconnected functions, the machine is intelligent, safe, and easy to operate, reducing energy consumption and improving crushing efficiency.



Plastic lump



Thick-walled pipe



Plastic film



Rubber lump

Model No.	TWP600	TWP800
Capacity (kg/h)	300-500	400-800
Shredder rotation speed (r/min)	80	80
Blades shaft length (mm)	600	800
Blades shaft diameter (mm)	220	390
Main unit power (kW)	18.5	37
Hydraulic power (KW)	2.2	3.75
Number of shredder blades	26+4	35+4
Number of fixed blades in shredder	2+2	2+2
Shredder screen mesh size (mm)*quantity	40*1	40*1
Crusher rotation speed (r/min)	520	500
Crusher Blades shaft diameter (mm)	290	360
Crusher power (KW)	15	30
Number of spinning blades	18&6	24&6
Number of fixed blades of crusher	2	4
The mesh size of crusher mm*quantity	12*1	12*1
Machine size L X W X H (mm)	1460*1460*2010	3150*1980*3150
Machine weight (kg)	2500	5350