

Global Plastic Shredding Machine Market Outlook to 2027

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Abstracts

The Plastic Shredding Machine is a mechanical device used to shred plastic materials for recycling or waste management purposes. According to BlueQuark Research & Consulting, the global Plastic Shredding Machine market is expected to witness a significant growth rate during the forecast period. Factors such as the growing demand for Plastic Shredding Machine in the recycling and waste managing industries is expected to drive the future Plastic Shredding Machine market. With the world moving forward towards a green future, the reliance on single-use plastic products is expected to diminish and increase the use of recyclable plastic products. To recycle the plastic, it needs to be shredded into fine particles and then processed. This increasing the demand for recyclable plastic which is expected to propel the future plastic shredding machine market. Furthermore, the growth is also attributed to the demand for plastic shredders in the pharmaceuticals and electronic sector to reuse scrap materials.

Injection molding machines are used to shred plastic materials like PE Films, PP Tubes, HDPE drums, plastic purging, pallets, etc. It serves various end-users like Recycling, Pharmaceuticals, and Electronic Industries.

The Recycling and Waste Management Industry is a prime consumer of Injection molding machines globally and is expected to drive the future market. The Plastic Shredding Machines are extremely robust and powerful machines capable of shredding a wide range of plastic materials from lightweight plastics such as PE Films, PP Tubes, HDPE drums to plastic purging pallets and even wood, branches, and bones. The late 90th and the early 20th century witnessed a sudden surge in the demand and use of plastic products to package food, beverages, and other related products. Following this, the world had to face another challenge brought by this surge of disposing of plastic waste safely. As plastic is a non-biodegradable product, it does not dissolve easily in

nature. Soon the humans saw themselves getting drowned in their own invention. To tackle this, plastic shredding machines were introduced in the market, which became an instant hit as humans could shred waste into small particles and on melting formed plastic that could be reused and recycled again and again. As soon as this product was launched, the Governments started rolling out reforms and laws to tackle the waste produced from plastic. The green revolution is further helping the cause and increasing the demand for plastic shredders in various industries to tackle waste. The pharmaceuticals and electronics industry are prime consumers of plastic products, and while manufacturing has to deal with the scrap that is generated. This scrap is then shredded using plastic shredding machines and reused in the manufacturing process. Thus, the increasing demand for plastic shredding machines in the recycling, pharmaceuticals, and electronics industry is expected to drive the future plastic shredding machines market.

The Covid-19 pandemic has affected nearly the entire population directly or indirectly. To stop the contamination spread amongst its citizen, in 2020, almost every country announced a nationwide lockdown. This lockdown harmed many industries resulting in a temporary shutdown of the manufacturing sites. Despite this, the demand for injection molds and personal protective equipment has surged. Every country started to manufacture vaccination for its citizen. With a global population of over 7.8 billion people to be vaccinated, the demand for injection molds has increased, and so has the usage of plastic gloves and face shields for prevention. To dispose of this, plastic shredders are used to shred the sterilized waste and recycled to manufacture more injection molds and personal protective equipment.

The global Plastic Shredding Machines market was found to be fragmented. Major key players in the industry were Amstar Machinery Co. Ltd, Shred-Tech, Vecoplan LLC, SSI Shredding Systems Inc., Granutech- Saturn Systems, Allegheny Shredders, among others.

The Asia Pacific is expected to be the largest market for Plastic Shredding Machines in the forecasted year. According to a report published by the United Nations Centre for Regional Development in collaboration with the Ministry of the Environment, Government of Japan, the Asia Pacific region has a population of about 4 billion in 2017. It is expected to surpass 5 billion by 2050, accounting for over 60% of the world's total population. The total municipal solid waste (MSW) for the Asia Pacific was around 870 million tonnes in 2014 (43% of the world total) and is expected to reach 1.4 billion tonnes by 2030. Out of this, 8-12% was plastic waste which is expected to reach 140 million tonnes by 2030. The waste generated was found to be proportional to the

relative income of the zone, thus making China and India the leader. To tackle is the amount of waste, the government has passed bills and reforms to set up plastic shredding centers to recycle waste and reduce dumping. The pharmaceutical and electronic sector is also thriving in the region, with the movement led by emerging countries like China, Japan, South Korea, and India, thus making the region a prime user of plastic shredding machines.

The Kerala government had reportedly spent USD 2.1 million in the last three years to set up plastic shredding units in over 190 local bodies across the state.

Global Plastic Shredding Machine Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Plastic Shredding Machine market by segmenting based on the Type (Single- Shaft Plastic Shredder, Double- Shaft Plastic Shredder), Plastic Type (Plastic Film Shredding Machine, Rigid Plastic Shredding Machine, Elastic-Plastic Shredding Machine, Extruded Plastic Pipe Shredder Machine), End-User Industry (Recycling Industry, Electronic Industry, Pharmaceutical Industry, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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