SOME FACTS OF THE PHARMA INDUSTRY & WASTE WE GENERATE IN INDIA

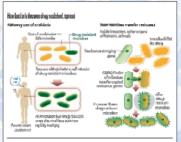
- The Pharmaceutical industry is one of the fastest growing segments of the Indian Economy and has experienced rapid and sustained expansion since the second half of the 20th Century. The market is expected to grow to \$ 100 billion by 2025.
- India's Environment Ministry classifies pharmaceutical manufacturing on a 'Red Category' activity owing to the hazardous waste it produces

The Pharmaceutical Manufacturer has the responsibility to foster environmental Sustainability and reduce pharmaceutical pollution at source & throughout their supply chain.

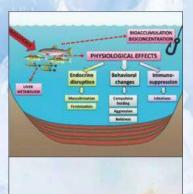


Are we Ready for the Change?

The faster we take the Responsibility to reduce Pharmaceutical Pollution the lesser we damage the environment.



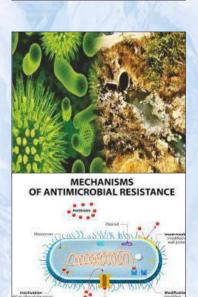
Extensive usage and improper disposal of pharmaceutical drugs cause spreading of Multidrug resistant microbes.



Near Elimination of entire species & feminisation of fish



Some Pharma Companies are dumping Toxic Waste in the Environment



Spread of Anti Microbial Resistance (AMR) a major global health threat.





Pharma Boom or bane. In Hyderabad, gandigudem lake in Patancheru district pollution from pharma plants let to the death of 2,30,000 fish due to chemical toxicity.

Are You Ready for the Change?

Commit to proper disposal of un used, unwanted (EDOU) expired date of use of medicines, detect duplicate, spurious counterfiet drugs across the supply chain

Sustainable solution for Pharma Waste at the point of generation



BEATTHEPHARMAPOLLUTION ATTHEPSINEDEGENERATION

BE THE CHANGE FACTOR

BY

PROPER COLLECTION OF PHARMA WASTE
FROM ALL SOURCES TO MANUFACTURING PLANT
PROPER IDENTIFICATION OF ALL REJECTED PHARMA PRODUCTS
DURING MANUFACTURING
PROPER IDENTIFICATION & COLLECTION OF
ALL PHARMA PACKAGING WASTE & PRODUCT LITERATURE
LIKE LABELS, STICKERS & INSTRUCTIONS

SHRED THE PHARMA WASTE SHRED & SEGREGATE TO REDUCE, RECYCLE & RE USE



It is estimated that SFFC Drugs (Spurious/faslely labelled / falsified / counterfiet drugs leads to treatment failure or even death and is about 1/6 of the total sales turnover of the popular brands

Adverse effect of Duplicate products market size of global pharma industry is \$ 1072 billion.

Globally counterfiet medicines claim over 1,00,000 lives, & \$ 200 billion counterfiet drugs are sold.

In India it is expected to reach \$ 55 billion by 2020

It is an estimated that one in 10 medical products circulating in low and middle income countries is either substandared or falsified, according to research by the WHO IN Nov 2017





Comply with the Ministry of Bio-Medical Waste Management Rules 2016 of Environment Ministry and implemented by Pollution Control Board of the State Governments and implement GMP, EOHS in your Manufacturing facility. Segregate, Shred and Recycle your Pharma Waste at Source



Waste Management Solutions

PHARMA PACKAGING WASTE

- Cartoons
- Corrugated Boxes
- Shippers
- C Duplex Boxes
- Syrup Packaging Box
- Card Board Box
- Printed Carton
- C Thermocol Box
- Labels
- Stickers
- Instruction Inserts
 (folded paper of 30 mm
 thick)
- Formulation Documents etc.

PHARMA WASTE

Rejected & Expired Tablets & Capsules, Blisters, Sachets with Powder. Glass Vials Ampoules & Bottles with Liquid Drug. Plastic (HDPE) vials Ampoules and Bottles with liquid drug, Plastic & Aluminium Tubes



CAN BE INSTALLED IN

- Manufacturing facilities of Pharmaceutical Companies
- Sub Contracted Manufacturing facilities of Pharmaceutical Companies
- Companies

 Thrash Bays of Pharmaceutical
 Companies
- Major Stock Points of Pharmaceutical Companies.
- Thrash Bays of Pharmaceutical Distributors
- Third Party Manufacturing facilities of Pharma Products



Now you have the power to change things choose NxGen as your ideal partner to implement Bio Medical Waste Management Rules 2016, GMP & EOHS initiatives in large scale with quality, quantity, technology & within time frame. Meet Compliances of statutory practices. Safeguard your **BRAND IMAGE** by proper waste management.



Multi purpose Packaging Material & Departmental /



Multi purpose Packaging Material & Departmental Heavy duty Shredder with Hopper. Industrial Heavy **Duty Shredder with Hopper**

PS 409



Suitable for Shredding Pharma Packaging

Duplex Boxes, Syrup Packaging Box, Paper Packaging Box, Card Board Box, Printed

Cartoon, Thermocol Box

Waste Cartoons, Corrugated Boxes, Shippers,

Suitable for Shredding Labels, Stickers & Instruction inserts (folded paper of 30 mm thick) formulation Documents etc.



Suitable for shredding and Seperating the packaging waste and pharma waste up to 95-98% Tablets & Capsules (Rejected & Expired) Blisters, Sachets with Powder



Packaged Material Recovery Plant (Shredder with Segregator)



Heavyduty / High capacity Shredder with Hopper



PS 409 HU





BC 300 BC 400 BS 400 COMBO

Bottle Crushers,

Combo Bottle crusher & Plastic bottles shredder, Automated shredding solutions with automated feeding, high volume shredding and separation of solid and liquid waste (Shredder, Conveyor & Vibro seperation)

Available in partial SS & GMP Models



Suitable for shredding Glass Vials Ampoules Bottles with liquid drug



BS 300 BS 400



ES-5012



Suitable for shredding Plastic (HDPE) Vials, Ampoules and Bottles with liquid drug

Bottle Shredders Automated shredding solutions with automated feeding, high volume shredding and separation of solid and liquid waste

(Shredder, Conveyor & Vibro separation)
Available in partial SS & GMP Models



BS 400



MS4050

Bottle Shredders

Available in partial SS & GMP Models



Suitable for shredding Plastic & Aluminium tubes and plastic bottles, Aerosal container Alu-alu.



PS 402 G

High Speed, High Out Heavy Duty Document Shredder



Paper with Paper Clips & Staples, thick paper, glassians packed, Expired Medicines outer Cartoons



BS 300

Bottle Shredder



Lamitubes, empty foil / blisters



Multiple Waste Shredder



PVC & Alu-Alu material filled or empty
Lamitubes filled or empty
Aluminium tube with latex sealant layer & FEZ screw cap.
HDPE flat, oval & Round bottles with cap, plug & dripper



BS 300 S Syringes Shredder



Rejected, Misprinted Dispovan Syringes



Mulitiple Waste Shredders customised for Aerosal filled containers with safety features.



PVC & Alu-Alu Material, HDPE Containers, Aerosal Container

Segregate Hazardous Waste from Recyclable Waste and get Revenue

Automated Shredding / Crushing Plants for Vials / Bottles with separation of hazardous liquid from recyclable waste

SHREDDING PLANT for Glass Vials and Bottles Shredding (with stoppers and aluminium seals)

for Glass vials and Bottles of 10 ml to 200 ml (of 10 mm to 50 mm dia) with Conveyer feeding and Vibro-separator for liquid separation









Segregate Hazardous Waste from Recyclable Waste and get Revenue

Automated Shredding Plants for Vials / Bottles with separation of hazardous liquid from recyclable waste

SHREDDING PLANT for Plastic Vials and Bottles (with stoppers and aluminium seals)

for Plastic Vials and Bottles of 10 ml to 200 ml (of 10 mm to 50 mm dia) with Conveyer feeding and Vibro-separator for liquid separation

Available in partial SS & GMP Models









Segregate Hazardous Waste from Recyclable Waste and get Revenue

Packaged Material Recovery Plant Shredding with Segregation of

Packaging Waste and Pharma Hazardous Waste upto 95-98% of Tablets & Capsules (Rejected & Expired)
Blisters, Sachets with Powder

Available in partial SS, Washable and GMP Models





Leading Brands

NxGen Innovations represent AVANTI who is privileged to partner with the leading pharma companies for proper disposal of pharma packaging and pharma waste products w.r.t expired use dates, quality rejections, Misprinted packaging, product returns and manuals & instructions to effectively handle duplicate products & counterfeit drugs across the supply chain





































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