

Washing Line

PET/PE Bottles, PE Films



Part View of Washing Line

Grinder/Metal Detector



Washing Line

Output Capacity : 500. 1000, 1500 & 2000 Kgs/Hr.

PET Bottles
PE Bottles & Films

Trommel



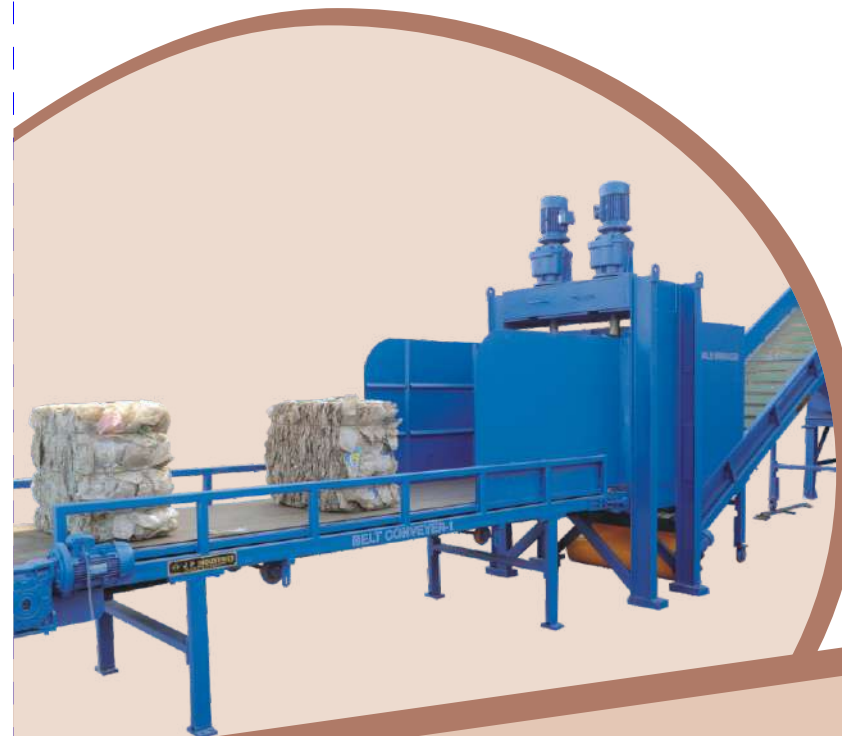
Label Scratcher



Spin Dryer



Lable Blower



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At forefront of today market needs is the recycling of thermoplastic materials and heterogeneous plastic products. Under this thrust and with the aim to meet the request of a growing market, JP has enriched itself with consolidated experience in the field of washing systems to offer market the complete line, from selection to the end product.

Thanks to the experience acquired year by year in the markets of competence, JP offers itself as your partner for forefront solutions in the plastic recycling field, increasing the value of the waste materials.

JP understands the needs of the customer for a throughout Quality compliance with addition of high output and cost efficient machineries. Ranging from a tiny bolt to the final finished product everything undergoes strict compliance policy. Our customers rely on our quality product for fast and punctual delivery, reliably easy operation, systems, machines and services and their long life-time even with intensive usage of the machines.

We at JP offer the most economical machine configuration with optimal connection for further processing systems and maximum quality through in-depth requirement analysis and exact target specifications.

JP INDUSTRIES introduces a line capable of de-baleing, sorting, grinding, washing and cleaning with drying post consumer plastic waste. The end use of the plastic waste is supposed to be either in the field of injection molding, textile fiber, monofilament or sheet with different thickness for thermoforming. The complete line is for an accurate clearing of plastic material specially suited for LLDPE, LDPE, HDPE, PP, PET, PC.



Buffer Tank:

This is the tank where flakes are temporarily stored prior to the washing. The material coming from the grinder accumulates in this tank to give time to the remaining paper labels to be converted to pulp and water to work on dirt, which will be removed further.

Material is transported with the help of auger no.2 rotor to sink the material, auger no.3 for transport and auger no. 1 at the outlet for discharge.

The floating material is extracted by a system of the last paddle placed at the end of the tank and all the materials are conveyed in the next machine.

The sinkable material is extracted with the help of two augers, one placed at the end and other inclined, with the outlet at the side of the tank. All the parts in contact with the water are made in stainless steel and the support frame in painted iron.



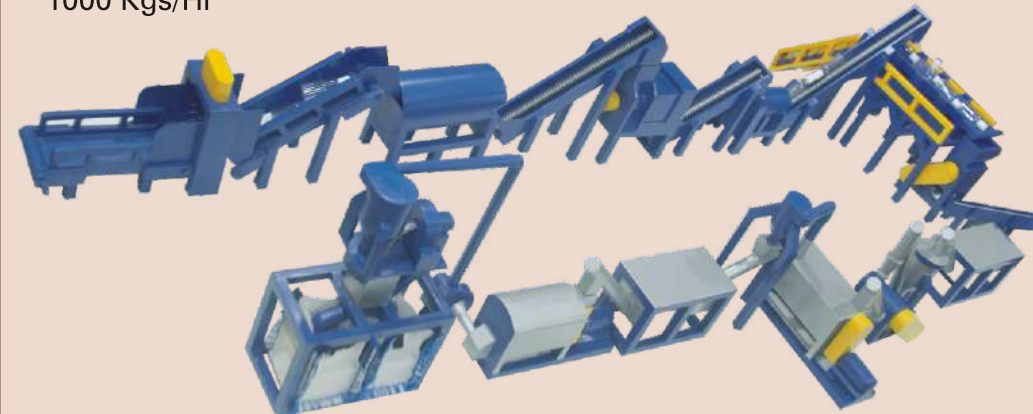
Turbo washer / Friction washer:

Washing machine with control friction running into self generated hot water. High speed high friction rotor with interchangeable rotor spinning into octagonal thick wall chamber made out with special harden steel. Three set of grind, let water and dirt out while filtered clean water is continuously going in contact with material.

The machine creates itself the heat to increase washing effect and temperature can be adjusted according to the quantity of the water

going inside. Electronic system to automatically keep the motor current at a certain preset level set by the operator is provided. Extraction by mean of thick auger driven by motor reducer and inverter conveying flakes directly into the first stage of drying. Bearing are oil lubricated and water cooled for long life.

PET Washing Line
1000 Kgs/Hr



Electrical Control :

Electrical panel where all contactors, over load relay, level control and safety devices are located The panel comes complete with all push button to drive all motors and components ammeters and all controls and its pre-wired to connect all motors, valves and other components of the line. PLC control for entire line help easy and accurate control of the line.

Experience of JP has developed a system that is matching the European standard but with a better price. JP's engineering department can give to their customers the support on finding also a customized solution, because JP Industries know that every country has his own traditions and his own post consumer material to treat. For this we will be glad to give you the right solution for your business.

