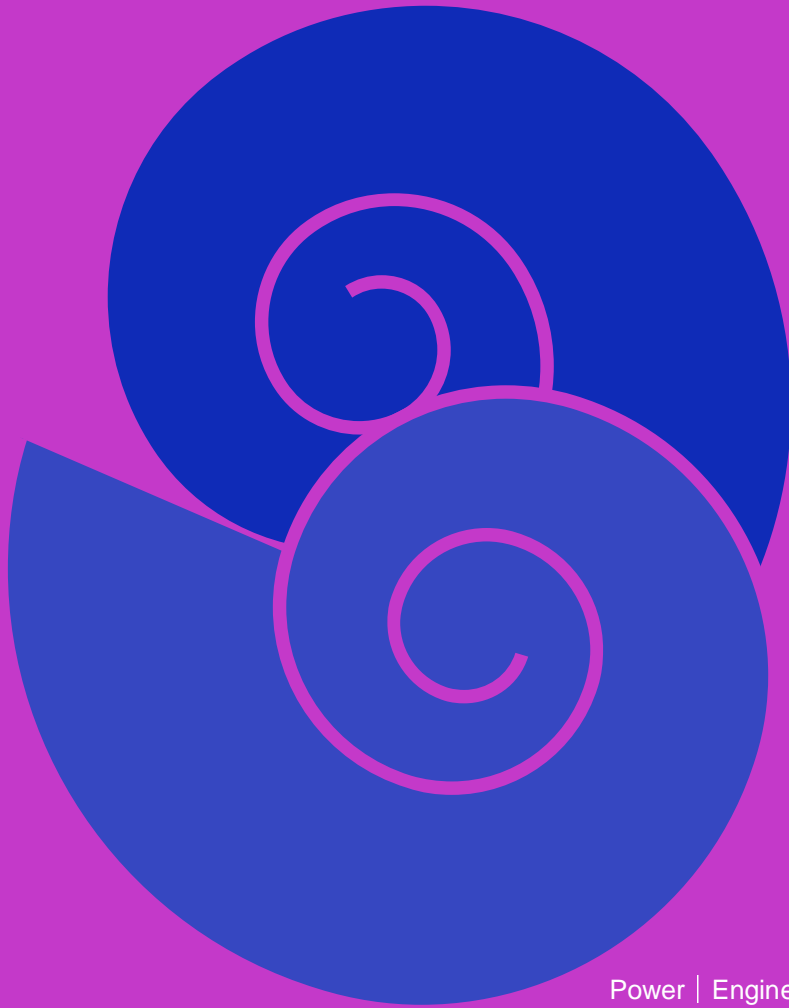




Environment
Yesaint



Building Future

Power | Engineering | Environment | Oil & Gas | Project | Know How

Yesaint, acts as a professional industry products manufacturer & distributor, also IT supporter since its establishment. For many years, our skills and experience in design, produce, trade and consult lead us become one of the successful companies. We are confident that we provide the best service for your unique need.



Save the Earth !!! Our Solution

ning will cause a secondary pollution. These methods not only pollute the city environment, contaminate the ground water, occupy the land resource but also breed mosquitoes and infectious disease in large areas. Meanwhile, the "black waste" is very easy to catch fire which will release some hydrocarbon and toxic gas in an incomplete burning and the blaze is very difficult to put out. Therefore, it will do harm to both the environment and the security.

Business Scope

- Tube & Pipe
- Machinery
- SRTP
- Environment
- IT Support

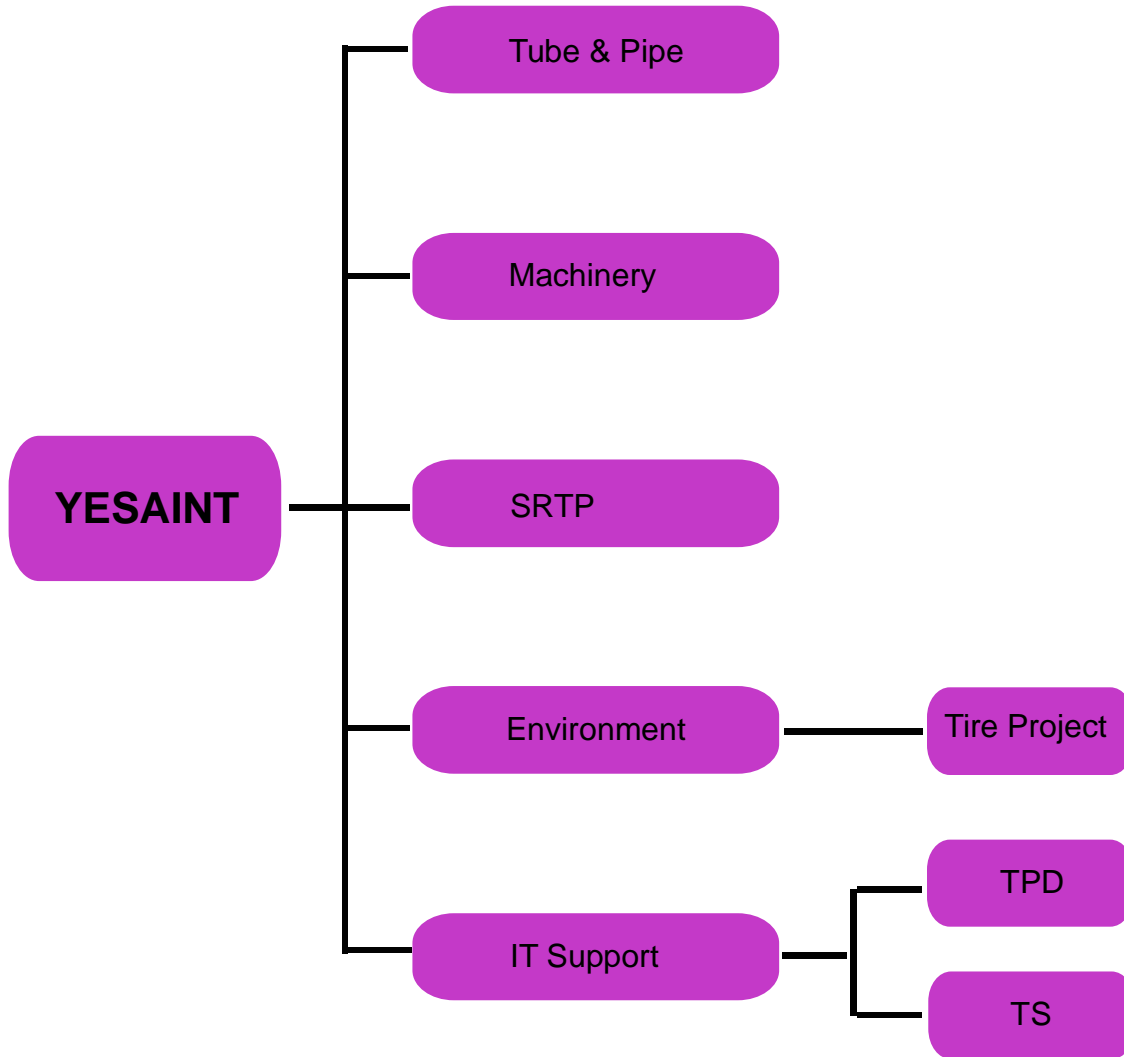
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Environment

Waste Tires Crisis

Since entering the 21century, the energy and environment have bought the human society significant pressure that we never experienced before. Among the solid wastes that have been produced and being created, the scrap tire not only takes a large proportion of the total waste amount but also is one of the most unmanageable varieties of all the solid contaminants. The "black waste" belongs to the polymer material which is very difficult to decompose. The dealing measures such as stacking, landfill and burning

ORGANIZATION



Dear Sir or Madam,

Thanks very much for your attention to the brochure of Yesaint's Environment division.

In the next pages, we will show you our project on the solution of waste tires. The main goal of our venture is to decrease the adverse influence waste tires have on the environment. At the same time, we are able to split scrap tires into fuel oil and carbon black without any pollution. It would be our honor to work together with you.

Regards,

Yesaint

Contact us: info@yesaint.com



BACKGROUND

Nowadays the annual world generated scrap tires are approximately 2 million tons, more than 1500 million pieces. Among them the U.S. possesses approximately 0.44 million tons, more than 30 million pieces; the stockpiled scrap tires amount to several million tons. The annual new increased scrap tires are several hundred million, several million tons. Among them the number of the U.S. annually created scrap tires is approximately 0.6 million tons, about 42 million pieces.



Waste Tires Stock

For each government and circle pays more and more concerns to the scrap tires recycling issue and works on turning the scrap tires into useful items, the potential business opportunity is becoming more and more attractive to the related companies and investments. Especially in recent years, the recycling of the scrap tire has become a profitable industry, the scale of the industry investment has extended greatly, the growing pace of



Waste Tires Stock

the industry has expedited obviously and the profit prospects have become brighter and brighter.



Waste Tires Burning

At present the dealing ways of the scrap tires recycling mainly include: scrap tires retread, original shape reform, heat energy utilizing, heating decomposing, chemical splitting, reclaimed glue, glue powder and reformed glue power products. Our splitting scrap tires into fuel oil is one of the most excellent recycling ways of the scrap tires now days for the high reclaiming rate, super reclaimed product quality, low reclaiming cost, no secondary pollution and recycling use of part of the resources. Therefore, our splitting scrap tires into fuel oil will be one of the most efficient processing ways of the scrap tires.



Thinking of tomorrow



Illegal Burning

Never make full use



Powder Preparation

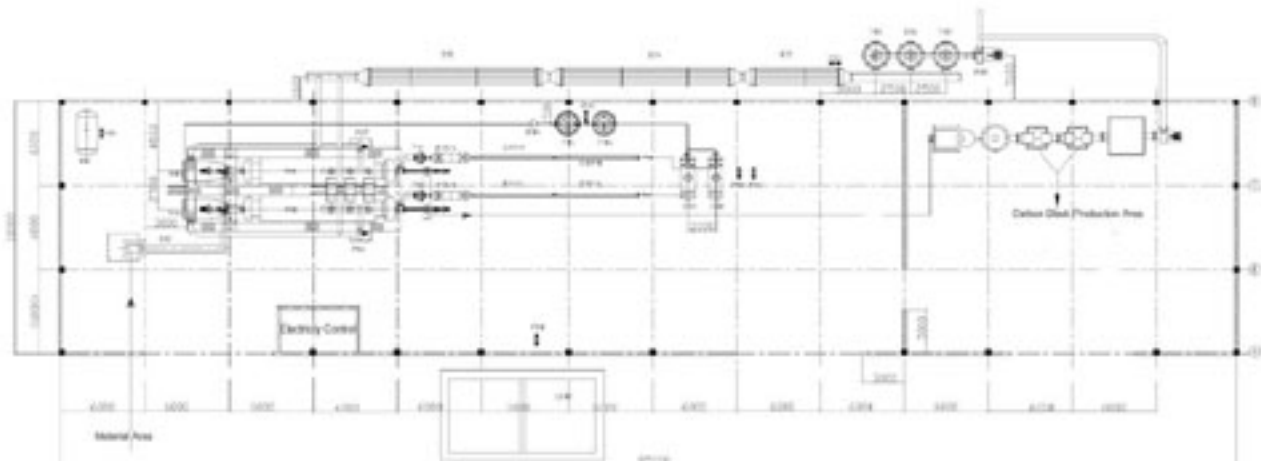


Landscape

TECHNIQUE

The production technique of the full automatic industrial continuous splitting scrap tires into fuel oil and carbon black reductions with the total intellectual property and the matching equipment set have developed our own unique characters and become world advanced for the outstanding performance of safety, environment protection and economic benefit. We are the only pacemaker in the splitting scope of the scrap tires reclaiming field of the world. The whole set of technology is both original and leading in the world. We possess the total intellectual property right and have established the matching intellectual property right protection system.

Process Chart



Ichnography of 10,000 tons Industrial Continuous Scrap Rubber Pyrolysis Production Line

Equipment with Unique Patent



**RAA Automatic Industrial
Continuous Scrap Tires
Pyrolysis System**



**RCB Continuous Scrap
Rubber Pyrolysis
Equipment**



**Pyrolysis Scrubbing
System**



**Equipment in
Operation**

ADVANTAGE



The technical design and equipment of the splitting scrap tire into fuel oil through low temperature heating to the critical temperature which the company originally creates and exclusively possesses thoroughly solve the avoidless poor safety performance, low oil production, low thermal efficiency and inferior finished product quality caused by the high temperature heat splitting design such as hot wind style, direct heat style, thermal radiation etc. Our technique especially solves series significant questions such as short equipment lifespan, high maintenance cost etc caused by equipment oxidation, decarburizations, distortion and so on.

Our technique is advanced and mature.

Our equipment is matching and synchronous.

Our technique and equipment have outstanding performances in the safety, environment protection and economic benefit.



The safety performance is guaranteed by the technical safety, equipment safety and operation safety.

- The technical safety is constituted and guaranteed by the reasonable technical design, unique remote constant temperature heating and hot seal technique and multiple security guaranteed measures.
- The equipment safety is constituted and guaranteed by many aspects such as design standard, manufacture standard, comprehensive manufacturer certification, matching parts selection, safety regulations and system protection etc.
- The operation safety is constituted and guaranteed by automatic continuous production, normative operation regulation, innocuous chemicals, automatic adding of chemicals and operation training etc.

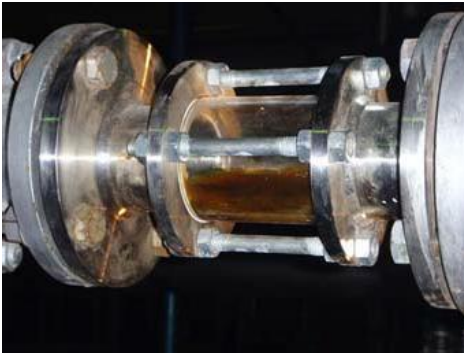
The environment protection

- The production takes place in obturation condition and is full-automatic. The whole procession generates no waste residue, exhaust gas and waste water.
- The technical design is advanced and the gas production rate is less than 5%.
- The gas will be purified first before discharged into the air.
- The discharging index is guaranteed to meet the discharging requirements of the same kind equipment in the located country.
- The carbon black can be recycled.

BENEFIT

The proprietary splitting technology and matching equipment and the proprietary carbon black reduction technology and matching equipment decide that:

- High output rate: oil production rate is as high as 45%-48%, carbon black production rate is about 35%-38%, steel production rate is approximately 8%-12% (calculating according to the meridian tires)
- High quality products: the main oil products and the carbon black quality is America N660-N330
- High recycling rate and high quality products ensured both sales and profit



Fuel Oil



Carbon Black

Splitting the scrap tire into fuel oil at a critical and fixed splitting temperature resulting in the low energy consumption, long life span, low maintenance cost and greater profit.

The proprietary heating carrier and heating technology decide the low wastage in the heat transmission and help to boost the profit.

The automatic and continual production not only solves the large material, energy and labor costs brought by the repeating start-ups but also greatly reduces number of the managing and operating workers. Therefore, the production greatly reduces the managing cost and increases the profit.

The advanced technology, low gas production rate and compact matching equipment ensure low operating cost and great profit.

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