

EQUIPMENT FOR TIRES RECYCLING USING THE OZONE TECHNOLOGY



Ozone technology for tires recycling



Stream Ozone™ industrial ozone generators

Areas of Application

The equipment is designed for disposal of waste tires and production of rubber crumb used for manufacturing reclaimed rubber, minor rubber goods (carpets, rugs, etc.), asphalt, European-type roofing felt, and composite materials

Specification

The laboratory prototype has the following characteristics:
capacity of up to 50 tires per day;
rubber destruction of 85–90%;
fine (less than 1 mm) crumb output of 15% of total crumb weight;
and power consumption of 250 kW per ton of tires

IPR Protection

IPR1

Advantages

The equipment has the following advantages over the conventional equipment for mechanical tire recycling: 2-3 times less power consumption; a decrease in the number of recycling stages; a low amortization of working parts of the equipment; a high quality of rubber crumb having a more developed surface and a high purity

Stage of Development. Suggestions for Commercialization

IRL5, TRL4

Seeking investors and partners for upgrade of technology, transition from laboratory prototype to industrial one, and production of industrial equipment

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