



# DOSATOR

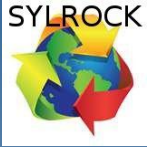
***Dosator innovation – benefit every day***

*a technology for  
Processing of plastic scrap  
mixed with communal waste*



# Core Values of DOSATOR Trade Ltd.

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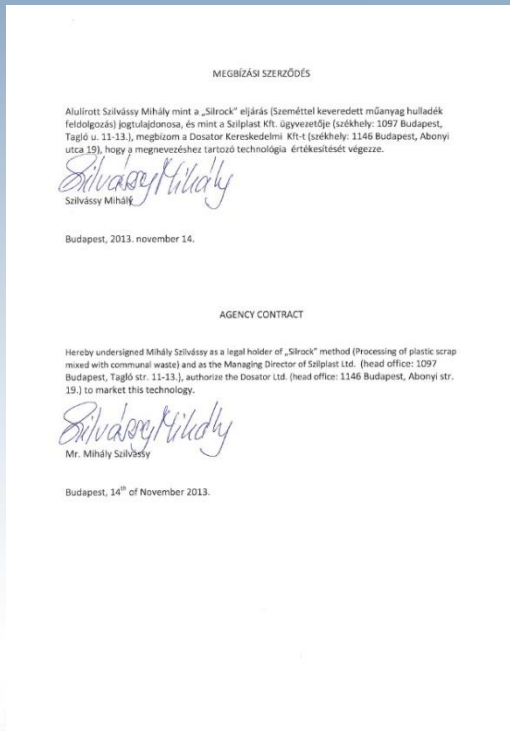
- The mission of Dosator Trade Ltd. is to support the market access of new inventions and technologies in the area of environment protection and to give notoriety to them also.
- As part of this activities we sell technology know how, which can transform polluting processes to a better direction.
- We are aware of the fact, that global systems are highly complicated. We have now a revolutionary new waste managment technology, which could have a significant effect on a global subsystem of environment protection.



# Actual technology: Waste recovery



What we are showing now: Waste recovery



We signed an comprehensive international agency contract with the legal exclusive holder of SylRock method (Processing of plastic scrap mixed with communal waste).



# Global data

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- In the year of 2013 humanity produced 3,5 million tons of waste.
- Some say that in the year of 2025 the daily amount of waste will exceed more than 6 million tons, this amount could fill 5 thousand trucks.



# Key notes to production



- The SYLROCK technology's main point is the modernness of the installation, a technology never seen before.
- Until now plastic recycling used closed systems. This invention is able to crease plastic materials in an open system and melt them to a moisture-free form.
- SYLROCK enables environmentally polluting waste materials to be recycled efficiently. Until now, landfills have been overflowing, due to a lack of efficient technology.
- The SYLROCK GARBAGE RECYCLING MACHINE (GRM) is able to process accumulated mixed plastics and other household waste and convert it into a raw material. The result is a malleable material with extraordinary features, great for many purposes.





# Key notes to production

- After properly mixing and drying the various materials, the hot dollop flows into the press.
- The shape of the press can be near anything.





# Materials for processing

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- The valuable wrappers in which we store our food, drinks, etc. transform instantly to waste after we used their contents.
- For example a canister of sour cream made of polystyrene, a bottle of a soft drink made of polyethylene or various wrappings made of polyamide are such materials.



# Materials for processing

- Shopping bags, flacons of detergents, used diapers, sanitary pads, plastic stationeries, or even boots, gym shoes also can be mentioned here. All of these can be processed with this technology.







# Materials for processing

- For the first sight some materials could be disgusting, but during the processing at 350-500 Celsius degree, full amount of moisture vaporizes. Hazardous materials will be closed inside the matter, blended in molecular level.
- Foils used in agriculture can be processed without cleaning.

## The Machine

Full technology know how transfer  
for sale. One sample machine and  
right to make more according  
to your country demand  
We are look for client country to  
country.





# The Waste processing phases



Waste Load





# The Waste processing phases



melted waste

before 600 bar pressure







# The Waste processing phases



melted waste sheet

Waste water tank from communal waste  
Degradation is 400 year





# The material after processing

Using the SYLROCK technology, materials degrade to a molecular level from which they will then be reformed into an incredibly resilient new material called SYLROCK

The material after processing is:

- extraordinarily high weight- and force-bearing power, resisting water, acid- and alkali- solutions. The material is compressed into 2.5 cm thick (approx. 1 inch) boards, with a weight of 25 kg
- water-proof, acid-proof, lye-proof
- can be easily shaped, drilled, sculpted, clinched.
- Has every benefit of a wooden board, but even harder than that.
- Degradation time in soil is 400 years







# Utilisation of composite tables



Weight of a selectively collected bale is 340 kg (its volume is 1 m<sup>3</sup>).

We can produce from this amount 11 pieces of extruded composite tables weighting 25 kg each, for a total of 275 kg and a volume of 0,275 m<sup>3</sup>.

The amount of vaporized moisture is cca. 65 kg, so the original volume can be compressed with a 1:4 ratio.





# Utilisation of composite tables



Connected tables can be used for

- building foundations
- creating water-proof beds for lakes
- insulation or decking of channels

It is possible to create a coherent area of many thousand square-metres!





# Operating the production line

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Because the base material (waste) can be obtained nearly free and in huge amounts, the price of a products depends only on the cost of

- labour
- energy
- and technology.



# Operating the production line

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We can give other substances to the base material to get a more accurate output: specific weight, density, some parameters of the surface (wear-proofness, skid-proofness) can be modified this way.

For example adding rubber to the material will increase its elasticity.





# Ideas for application



A lot of products can be manufactured, for example:

- Emergency-shelters, garden cottages
- Pillars
- Industrial paving slabs,
- House for refugees after, catastrophe







# Ideas for application



...even dams.

Water flooding





# Ideas for application



Plant boxes

Skate roller park





# Ideas for application

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For more information please call us

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Thank you for your attention!

