

PRESS RELEASE OF NEXT GENERATION RECYCLING MACHINES JUNE 1, 2020  
FOR BUSINESS/PLASTICS WASTE TECHNOLOGY/MARKETS

## **Startup company Woodly closes its production loop with the help of NGR – Woodly products are aligned with the European Strategy for Plastics**

**Woodly Ltd has previously generated international media attention by redesigning plastics. Now Woodly has demonstrated the recyclability of its products with the help of plastic recycling machines from Generation Recyclingmaschinen GmbH (NGR).**

According to the European Strategy for Plastics (2018), by 2030 all plastics packaging placed on the EU market must be either reusable or easily recyclable. Woodly Ltd's commercial product – also known as Woodly® – is a new type of plastic based on wood cellulose. The material has been designed to be recyclable with existing plastic recycling technology, which has now been verified.

*“Recycling Woodly material from film to granules was easy and the granules were of high clarity. From the recycled Woodly granules, a clear, 20-micrometer thin cast film could be produced in our lab under typical polyolefin processing conditions and extruder settings, indicating that the material is suited for blown film processes as well. This is rare, as typically the reprocessing of bio-based plastics into thin films is not a simple task. Woodly's material is a perfect match for NGR's existing equipment.”*, says NGR's Development & Process Technology Engineer, Dr. Peter Hierzenberger

The CTO of Woodly, Martta Asikainen, is delighted with the well-run pilot experiment: *“We believe that the future of plastics is both renewable and recyclable. That is the only way to meet the growing material demand in a sustainable way. Our goal is to reduce the need for fossil feedstock as well as for virgin material. With NGR we have found a reliable partner for recycling, with whom we will be glad to expand the collaboration.”*

Despite of the Coronavirus pandemic Woodly is still planning to launch the innovative material during this year in various packaging applications.

*“In our opinion the current situation with the Coronavirus has highlighted the urgent need for sustainability. Our mission to accelerate the shift toward circular economy is now more relevant than ever. Fortunately there are many like minded brand owners that have it in their strategy to look beyond this current situation and invest in future. Now that we have demonstrated the recyclability of Woodly material with NGR, we expect there will be even more interest toward our material.”*, concludes Martta Asikainen.

**Photos (NGR):** S:GRAN recycling line processing biobased film Woodly®

**Video (NGR):** NGR re-processing Woodly® 104 <https://youtu.be/f-YTb12-yKI>

### **About Woodly Ltd.:**

Woodly is a Finnish technology company which develops wood-based, transparent, carbon-neutral plastic called Woodly®. Woodly® plastic is based on wood cellulose. Woodly aims to accelerate change towards a more ecologically sustainable future. [www.woodly.com](http://www.woodly.com)

### **About NGR:**

Founded in 1996, Next Generation Recyclingmaschinen GmbH (NGR) is a leading technology and equipment provider for the plastics recycling industry. Based in Feldkirchen (Austria), the company currently employs 140 people in its headquarters as well as in the three sales and service locations in the USA, China and Malaysia. The company most recently achieved an annual turnover of over 47 million euros. For more information see [www.ngr-world.com](http://www.ngr-world.com).

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