

The future of your Dental Practice

Introducing fossil free Bio products
for a more sustainable future.



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The future of your Dental Practice

Manufacturers of dental supplies can make a huge difference when it comes to global warming by reducing greenhouse gases in their production. As a leading manufacturer of saliva ejectors, we introduce new fossil free bio products for a more sustainable future.

In order to reduce the carbon footprint and to curb global warming, it is important to reduce the use of fossil resources and the share of greenhouse gas emissions. By using bio-based material in products and packaging, the carbon dioxide level in the atmosphere can decrease, which is a significant factor for our planet and future generations.

The products are made of bio-based polyethylene, a polyethylene entirely made from sugarcane. Unlike traditional polyethylene where fossil raw materials such as oil and natural gas are used, sugarcane is completely renewable. Since plastic litter is such an enormous problem across the globe, we

want to make sure that their sugarcane-plastic has a green end. When bio-based products are recycled at the end of their life cycle, the same amount of carbon dioxide that was captured during the sugarcane cultivation process is released. This keeps the carbon in the system and the carbon footprint decreases.

When taking the necessary steps towards a more sustainable future, it is important that future plastic materials are made from renewable raw materials. In addition to the production of the completely fossil-free aspirator tube, we are using bio-based packaging material.



By using sugarcane based polyethylene, we reduce the level of carbon dioxide in the atmosphere, and help save our planet for future generations.



Hygoformic[®] Bio

Hygoformic is the original, mouldable saliva ejector with tongue holder. Used by dentists all over the world for more than 50 years. Now also available in eco-friendly Green PE.



Hygoformic[®] Bio Adaptor

The traditional Hygoformic soft adaptor is now also available in environmentally friendly Green PE.



Hygovac[®] Bio

Hygovac Bio is available in 2 lengths: 120 mm and 95 mm. Both lengths are with dual tips: 45° and S-shaped. The Hygovac Bio has the same diameter and provides the same suction as previous Hygovac products. The Hygovac Bio is made of Green PE.



Bio Cup

Orsing's Bio Cups are new dental cups made of eco-friendly, non-toxic bamboo fibers. By replacing conventional plastic with bamboo, we reduce the level of carbon dioxide in the atmosphere.

21 cl (7oz) 74x49x80 mm.

Short Facts Green PE

Green PE is a fossil-free, bio-based polyethylene made from sugar canes. Unlike conventional PE where fossil raw materials such as oil and natural gas are used, sugar cane is a completely renewable resource.

One hectare of land (a soccer field) gives approximately 82.5 tonnes of sugarcane.

82.5 tonnes of sugarcane gives 7200 liters of ethanol which produces three tonnes of Green PE.

Three tonnes Green PE provides 1.2 million Hygovac Bio or 1.5 million short Hygovac Bio.

Compare this to the use of fossil resources where 250 ml oil is required to make a one-liter water bottle.

200,000 tonnes of Green PE are grown in Brazil each year.

Sugarcane ethanol production currently occupies 4.6 million hectares of farmland, which is only around 1.5% of Brazil's arable land.

Green PE saves 80% CO₂ compared to regular plastic.

Green PE is both renewable and recyclable.

One tone Green PE captures 3.09 kilos of CO₂ for each kilo produced slightly leaving a carbon footprint closer to zero.

Sugarcanes can help restore the soil around its plantation.

Source: Censo IBGE 2006 & UNICA & Braskem

Short Facts Bamboo

It is an ecological resource

preserves the ecological balance of the planet

100% biodegradable, bamboo does not require pesticides or herbicides thanks to its natural antifungal and antibacterial characteristics.

Reduces deforestation

1 hectare of giant bamboo saves 20 hectares of forest

One hectare produces up to 100 tons of usable biomass - 20 hectares of forest should be cut to get the same amount of wood!

Consolidates the subsoil

30 centimeters of roots are

enough for the bamboo to develop

The apparatus of roots of bamboo, formed by rhizomes and rootlets, is ideal for slopes consolidation and reforestation. It prevents landslides AND does not weigh down the ground with concentrated loads.

Holds water

prevents soil washing away

Bamboo has an excellent ability to retain water, preventing the washing away of land in case of heavy rain and thus avoiding dangerous swelling of streams and rivers. This ability also allows the plant to withstand long periods of drought.

Contrasts the greenhouse effect

absorbs 17 tones of carbon dioxide per hectare per year

The Giant Bamboo plants absorb about 5 times the amount of carbon dioxide and produce about 35% more oxygen, at equal proportions, compared to a forest of trees, thus reducing the gases responsible for the greenhouse effect.

Ideal for environmental

decontamination controls soil and air pollution

Bamboo is an environmentally friendly and safe resource, capable of growing even on degraded and contaminated soils, so it is ideal for environmental decontamination.

Processes and absorbs the nitrates of the subsoil

transforms pollutants, including nitrogen and heavy metals, in biomass

Thanks to these unique features, bamboo helps to keep the waters of rivers and lakes clean and safe.

Source: Alma Consulting Srl