

TIO

Climate friendly

DENATL CARE

TIO

Since 2014, we have been redesigning dental hygiene products - from plants instead of plastic!

Environmentally friendly and at the same time at the cutting edge of dental care. To accomplish this, we are constantly evolving and giving our best as a pioneer in the field of sustainable product development. By using bioplastics, we offer all the hygienic advantages of conventional plastics made from petroleum, but use renewable raw materials.

With TIO, save resources and CO₂. This protects the climate and teeth.



Green
Product Award
Winner 2015

THE ELECTRIC REVOLUTION

We are the only brand in the world to offer plant based replacement heads for the two most widely used electric toothbrush systems from BRAUN® Oral-B® and Phillips® Sonicare®.

Easy to use, electric toothbrushes remove more plaque in less time than manual toothbrushes and are being increasingly recommended by dentists.



TIOSONIK

- Plant based replacement brush heads compatible with Philips Sonicare® electric toothbrushes.
- Unique product with a share of > 98% renewable raw materials and thus a significantly improved CO₂ footprint.
- The innovative sonic technology moves the brush head with up to 60,000 movements per minute. The fine vibrations give the teeth an incomparably smooth polish and are gentle on the gums at the same time.



TIOMATIK

- Plant based replacement brush heads compatible with BRAUN ORAL-B® electric toothbrushes.
- Unique product with a share of > 85% renewable raw materials and thus a significantly improved CO₂ footprint.
- The oscillating rotating movements remove more plaque than manual brush in the same timeframe.
- Verified lifespan of 3 months – successfully tested by TÜV Süd.

TIOSONIK

IN DETAIL

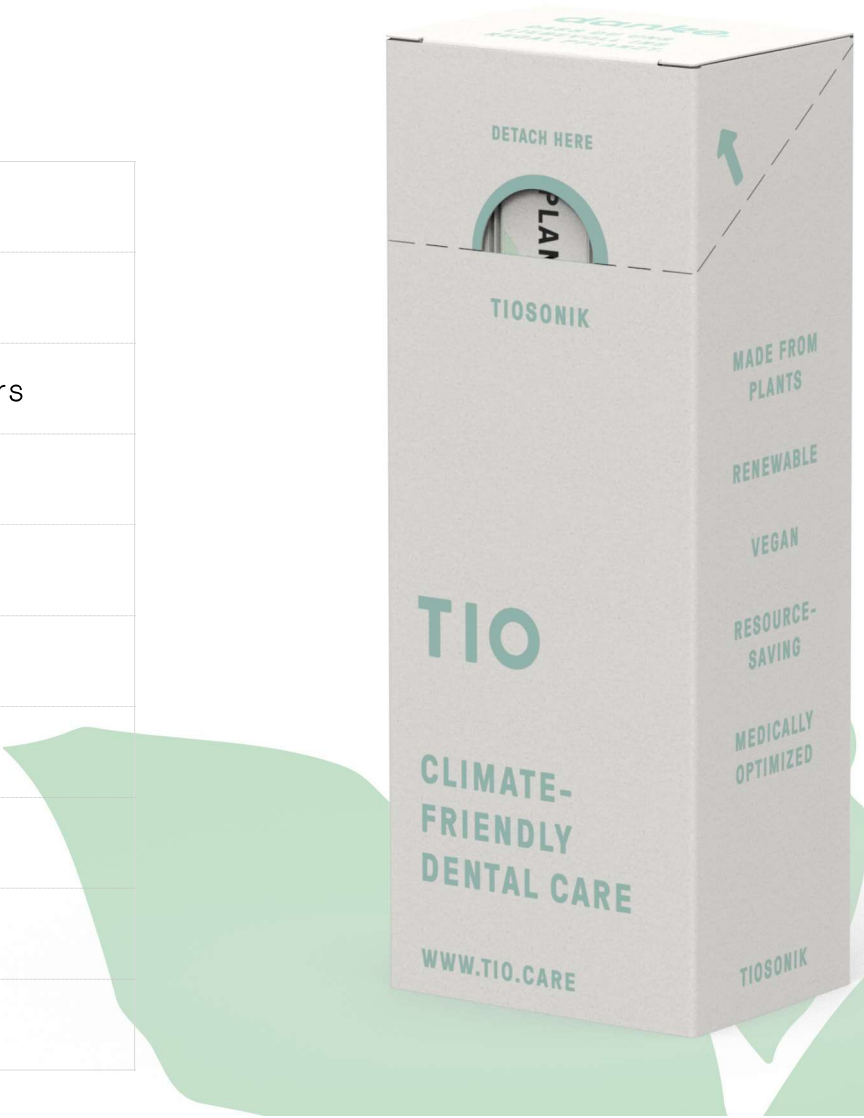
- Replacement brush heads compatible with electric toothbrushes from Philips Sonicare®.
- Bioplastic holder and mounting based on wood residues
- Nylon 10.10 bristles based on castor oil
- Packaging made of FSC® certified cardboard incl. hanger
- Share of renewable raw materials > 98%
- Free from animal testing, suitable for vegans
- 2 versions distinguishable by colored rings
- Comes in a single 6-pack PU Head and handle are recyclable in the current waste cycle
- Made in China → climate-friendly long-distance transport by train



TIOSONIK

PRODUKT DATA

EAN	4260453531414
EAN PU	4260453531438
VPE	6 pcs. / different ring colors
SKU	TI-1104-EN01
SKU PU	TI-1104-EN06
measurements (mm)	20 x 50 x 86,5 (160)
measurements PU (mm)	52 x 69 x 177
weight (g)	20
Weight PU (g)	141
customs nr. HSC	96032100



color combination 1



Color combintion 2

TIOMATIK

IN DETAIL

- Mount, housing and turntable made of bio-plastic based on wood residues.
- Only the axle is made of a crude-oil-based technical plastic due to the high mechanical strain
- Bristles made of nylon 10.10 based on castor oil
- Share of renewable raw materials >85
- Free from animal testing, suitable for vegans
- Packaging made of FSC® certified cardboard incl. hanger
- 2 versions distinguishable by colored rings
- Comes in a single 6-pack PU
- Made in China → climate-friendly long-distance transport by train



TIOMATIK

PRODUCT DATA

EAN	4260453531384
EAN PU	4260453531407
VPE	6 pcs. / different ring colors
SKU	TI-1103-EN01
SKU PU	TI-1103-EN06
measurements (mm)	16 x 50 x 81,5 (160)
measurements PU (mm)	52 x 60 x 168
weight (g)	23
Weight PU (g)	153
customs nr. HSC	96032100



TIOFLOSS DISPENSER

PLANT-BASED & REFILLABLE DISPENSER FOR THE TIOFLOSS DENTAL FLOSS

The new home for our plastic-free and vegan Tiofloss, refillable, plant-based and recyclable. With the combination of our Tiofloss and the new dispenser, you can present your customers with the most sustainable solution in the dental floss segment. Take a look at our [crowdfunding campaign](#)

- The unique combination of the plant-based raw materials & refill system, we reach a significantly reduced CO₂ footprint.
- Enhanced with organic coconut oil and natural mint against bacteria and for a fresh breath
- The dispenser is a high-grade product which will create a long-term engagement with our customers
- Made in Germany



TIOFLOSS DISPENSER

IN DETAIL

- Starter set consists of one dispenser and one bobbin
- Dispenser made of bioplastic based on wood residues with visible wood fibres, can be recycled in the current waste cycle
- Bobbin core made of bio-plastic based on sugar cane, is recyclable in the current waste cycle
- Yarn made of organic nylon based on castor oil
- Packaging made of FSC® certified cardboard incl. hanger
- Proportion of renewable raw materials 100%
- The replacement system saves >95% packaging waste during each use cycle.
- Vegan waxed for better tear resistance
- Free from animal testing, suitable for vegans
- Made in Germany



TIOFLOSS DISPENSER

PRODUCT DATA

EAN	4260453531346
EAN VPE	4260453531353
PU	6 pcs.
SKU	TI-1201-EN01
SKU VPE	TI-1201-EN06
measurements	30 x 58 x 90,5 (150)
measurements PU (mm)	192 x 60 x 152
weight	38
weight PU (g)	265
customs nr. HSC	33062000



TIOFLOSS REFILLS

IN DETAIL

- Due to the minimal packaging (comparable to single tea bag packaging) we save a lot of packaging material
- The price for the refill packaging is significantly reduced compared to our current cardboard dispenser
- Share of renewable raw materials 100%
- Packaging can be recycled in the waste paper
- Bobbin core can be recycled in the current waste cycle
- Made in Italy



TIOFLOSS REFILLS

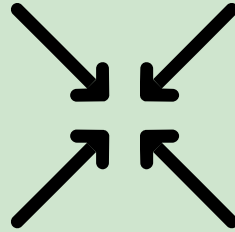
PRODUCT DATA

EAN	4260453531360
EAN VPE	4260453531377
PU	6 pcs.
SKU (soft)	TI-1202-EN01
SKU VPE (soft)	TI-1202-EN06
measurements	12 x 50 x 98 (L/B/H)
measurements PU (mm)	75 x 50 x 100 (L/B/H)
weight	11
weight PU (g)	83
customs nr. HSC	33062000

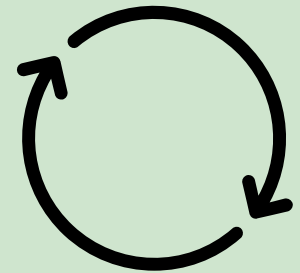




RETHINK



REDUCE



REUSE

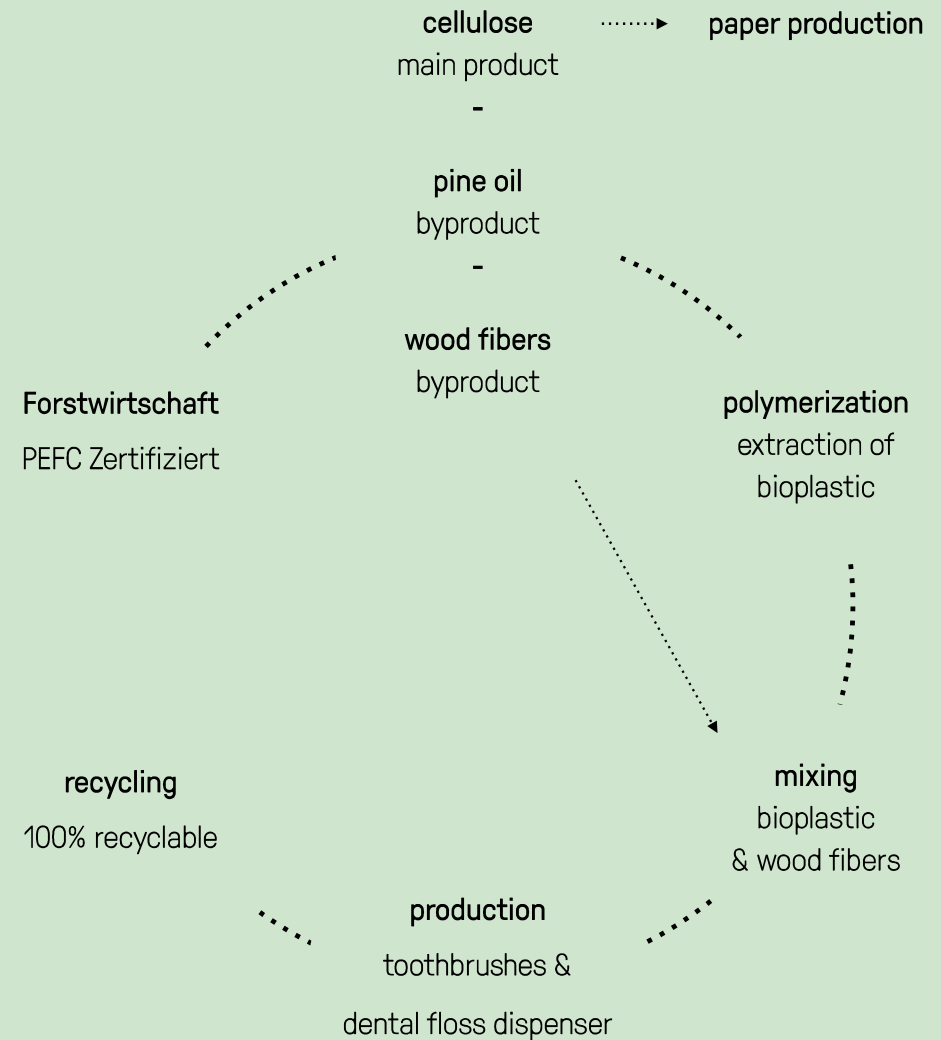
RETHINK

THE UNIQUE VALUE CHAIN OF BIOPLASTICS

For our revised product portfolio, we use a new type of bioplastic that offers the highest level of sustainability.

The basis is pine oil, which is obtained in a side stream of wood & paper production. This means that no additional trees are cut and there is no competition with food production. Reinforced by wood and cellulose fibres, we achieve unprecedented stability and durability.

The production is ISCC Plus certified and the material is recyclable in the existing waste cycle.



RETHINK

PLANTS OVER PLASTIC

Through the use of plant-based, renewable raw materials we achieve a significantly better CO₂ balance compared to conventional crude oil-based plastics and help to stop global warming.

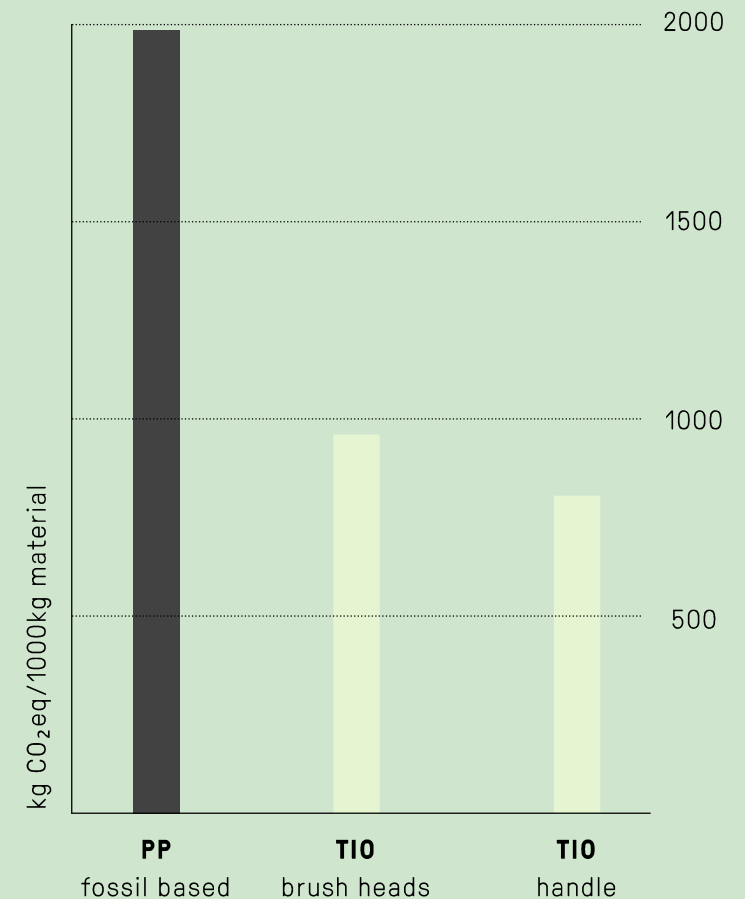
The most important advantages of the bioplastics we use at a glance.

Potential for carbon neutrality: During growth, trees bind carbon dioxide from the atmosphere (photosynthesis CO₂ → C & O₂).

Avoidance of fossil raw materials: Good for the climate and protects against the consequences of oil production, such as fracking, pipeline leaks, tanker accidents...

Wood residues and castor seeds: No trees are felled for these main components of our bioplastics and cultivation does not compete with food production.

Recyclability: The majority of our materials can be recycled in the existing material cycle.

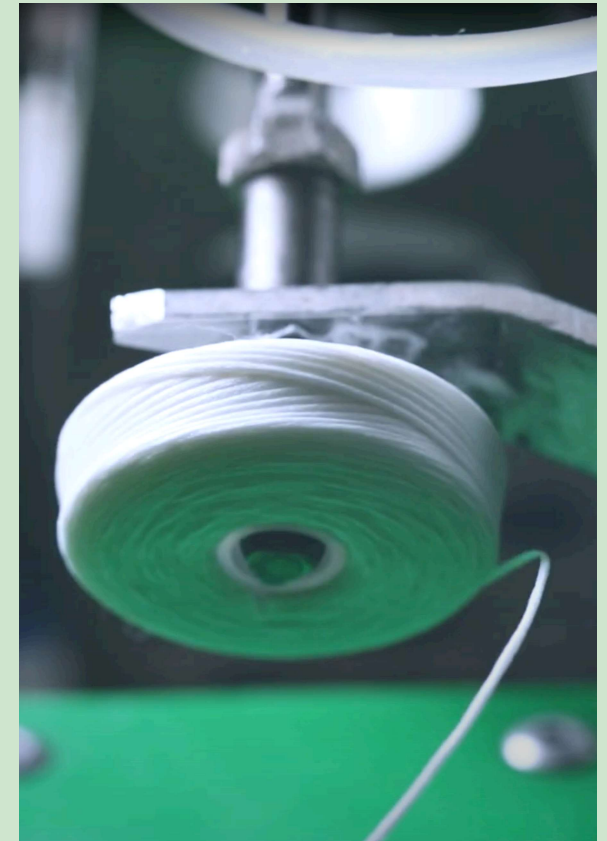


REDUCE & REUSE

LESS IS BETTER

Before we even design a new TIO product, we subject it to a detailed analysis. This allows us to ensure that it meets our idea of reduced consumption. We base our analysis on the following criteria.

- **Reduced material use:** We attach great importance to minimal material use in order to conserve resources. We avoid unnecessary waste through reinvented product and packaging concepts to reduce the burden on our ecosystem.
- **Durability:** Good design makes products valuable, durable products can overcome the prevailing throwaway culture.
- **Reusability:** As many components as possible should be recyclable in existing and future recycling systems.
- **Close & Fair:** We work with the best and closest production sites to avoid unnecessarily long transport routes and ensure fair working conditions.



REFORESTATION FOR OUR CLIMATE

STOP TALKING. START PLANTING.

Even though we do the best possible to design eco friendly and resource saving products – reforestation is still on top the best way to capture further CO2...

That is why we support the NGO **Plant for the Planet** on its project to plant one trillion trees.

