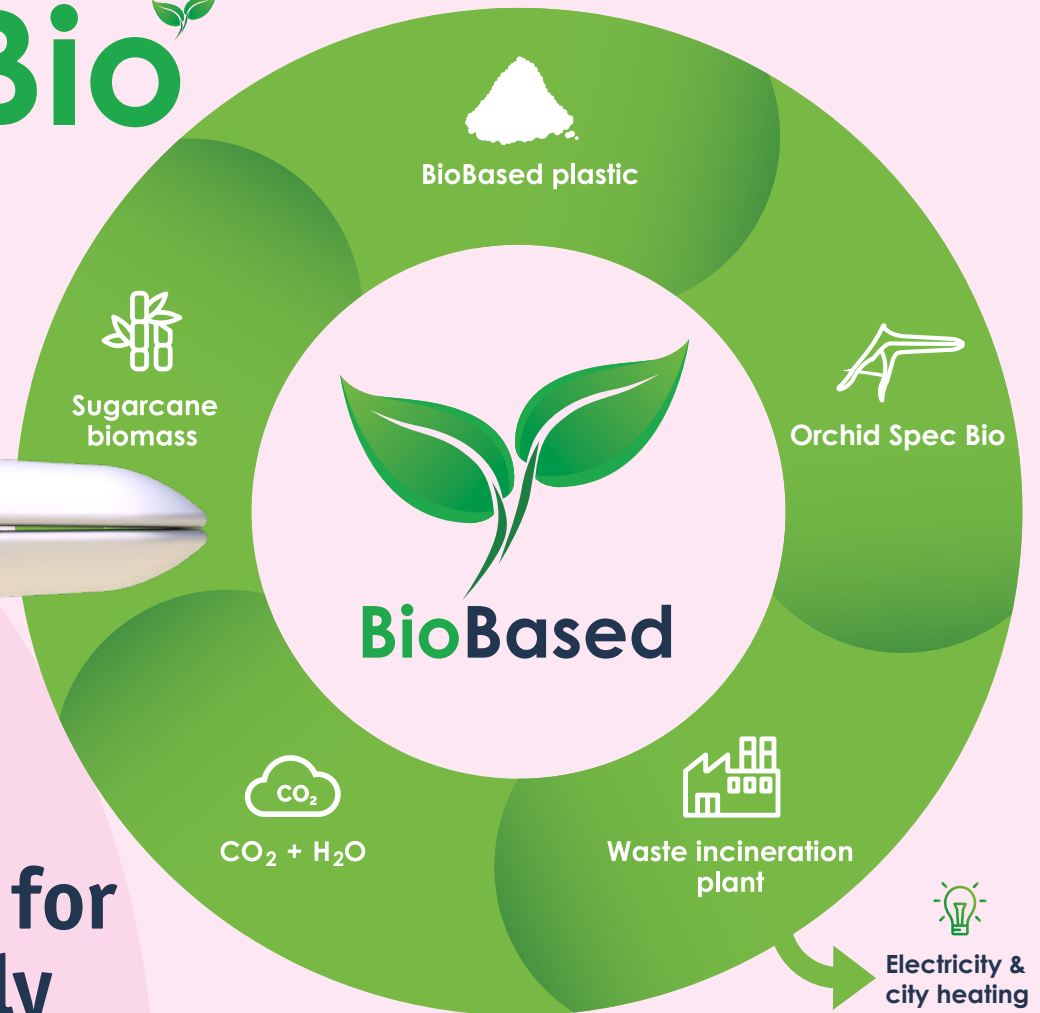


Orchid Spec Bio[®]




reddot design award
winner 2013

The **new** choice for
environmentally
friendly gynaecology



Webshop



bridea
medical

www.brideamedical.com



Orchid Spec Bio™

origin story



Allows for a reduction in CO2 emissions and water consumption of up to 85% compared to the sterilisation process of metal specula or the use of standard single-use specula.

From its conception in 2007 and launch in 2011, our founder and designer Mr Bob Roeloffs envisioned the Orchid Spec line as a greener alternative to the sterilization of reusable metal specula. Finding the right BioBased material, however, proved a big challenge. Not only did the material need the right mechanical characteristics, but it also needed to be suitable for our intended medical application. In 2017 we finally found such a material. Another three years of optimising our speculum design and finetuning the production process has finally resulted in the introduction of our Orchid Spec Bio™ in 2020.





Orchid Spec Bio™

green quality

The Orchid Spec Bio™ has a 7 times lower Carbon footprint than other disposable specula.



Sugarcane

Our Orchid Spec Bio™ is made from 100% sugarcane from Thailand. Our sugarcane is sustainably sourced to avoid the impact on feedstocks. Due to Thailand's wet climate, no drinking water is used during the growth and only limited water is used during the production of the BioBased pellets. These pellets, which are needed for our speculum injection moulding are shipped in bulk to The Netherlands by sea.

Smart shipping

The shipping of BioBased plastic material in bulk from Thailand achieves a further 70 to 80% CO2 reduction compared to shipping finished products from China. Shipping bulk is much more energy efficient and the shipping distance is shorter.

CO2 neutral production

Once in the Netherlands, these BioBased pellets are transformed into our Orchid Spec Bio™ in our state of the art manufacturing facility. This facility is run 100% CO2 neutral (electricity from wind energy, etc.), meaning no additional CO2 is added to our speculum footprint due to production. This production optimisation applies to both our BioBased and our other specula. In addition, our manufacturing location is ISO 14001 certified, the International Standard for Environmental Management Systems.

<https://treesforall.nl/en/>

Optimised design

The waste processing of our warehouse is 94% circular and our warehouse is also part of the innovative DHL GoGreen initiative. Our manufacturing and warehouse are centrally located in the Netherlands and our warehouse functions as a DHL hub. This means that even sending our boxes to the hospitals occurs in an optimized bulk process further limiting our CO2 footprint.

Environmental optimisation can also be found in design and packaging. Our optimised Orchid Spec design has allowed up to 66% reduction of material usage compared to disposable specula from other manufacturers. We are also the only manufacturer offering a packaging solution of ten specula per inner pouch significantly reducing packaging material usage.

Recycling

As required by law, all medical waste must be incinerated. In Western Europe this waste incineration process produces electricity and city heating. Therefore, even the energy stored in our specula is used at its end of life. And then the cycle starts again with a young plant in Thailand capturing CO2.

Note: - The term 'biobased' in this communication refer to the EN16785-1 standard.
- Carbon Neutral details can be found on <https://treesforall.nl/en/>

Orchid Spec



Designed for quality

Bridea Medical produces an extensive portfolio of specula. 93% of Dutch gynaecologists use the Orchid Spec range on a daily basis and international availability and adoption are rapidly expanding.

Listed as Advanced Speculum on National Health Service frameworks UK (NHS)

Special Editions

Orchid Spec SX - with smoke extraction
Orchid Spec Open - open on one side
Orchid Spec Open SX - both combined



Orchid Spec - The Standard



Preferred by doctors

- smooth single-handed operation and locking
- front handle design angled backwards providing greater freedom of movement & greater range of access
- hands free after placement
- inwardly folded edges facilitate optimal Cervix orientation
- no preheating required
- unbreakable plastic
- excellent product strength through optimised design
- up to 50% cost reduction

Preferred by patients

- smooth rounded edges ensuring patient comfort
- gap design prevents "pinching"
- single use - guaranteed clean
- patient temperature friendly
- clinical white look

Orchid Spec

What Doctors are saying

The Portland Hospital - UK

'The most user friendly & practical speculum we have ever seen, delivering optimal manipulation and a trustworthy strong feel. Patients prefer this smooth & aesthetically pleasing speculum.'

Gloucestershire Royal Hospital (NHS Foundation Trust)

'Brilliant product + Patients love the comfort!'



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