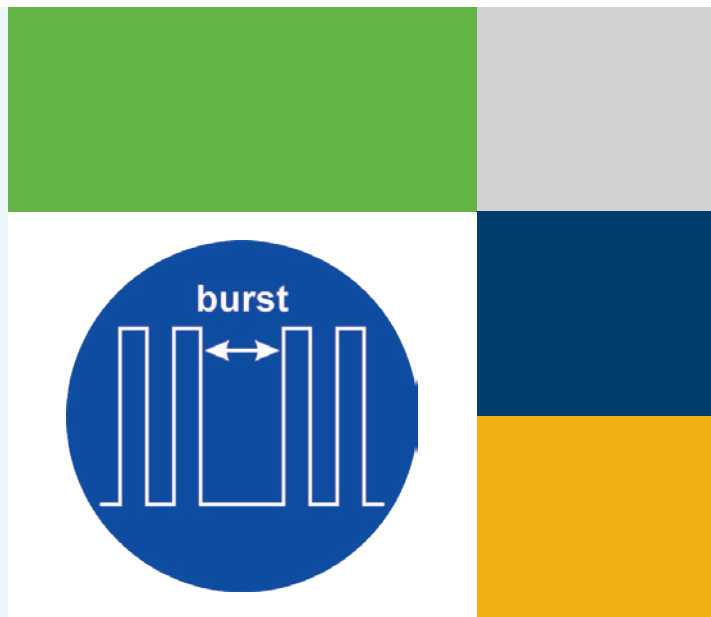
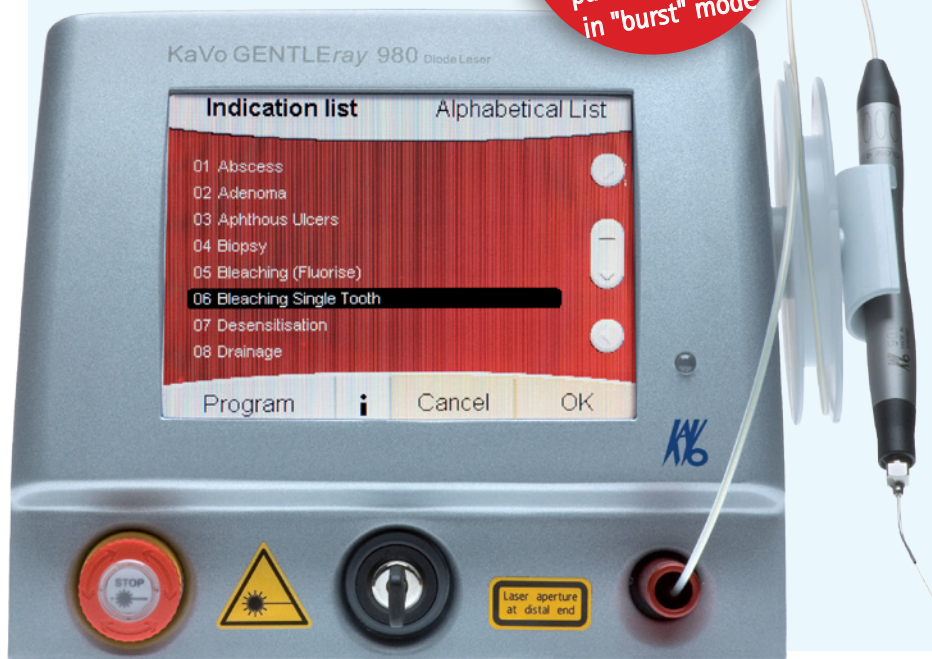


Wide range of applications and highest level of safety.

The new GENTLEray 980 Classic Plus.



New
Now with micro-pulse technology in "burst" mode



KaVo. Dental Excellence.

The safe entry into LASER therapy: evidence-based indications and intuitive user-guidance, to meet all requirements.

Indications for the GENTLEray 980 Classic Plus

The KaVo GENTLEray 980 diode LASER is suitable for a very wide range of evidence-based indications in surgery and endodontics, for the treatment of bacterial infections and for adjunctive therapy during periodontology and peri-implantology. All specified indications are pre-programmed into the device and can be individually customised.

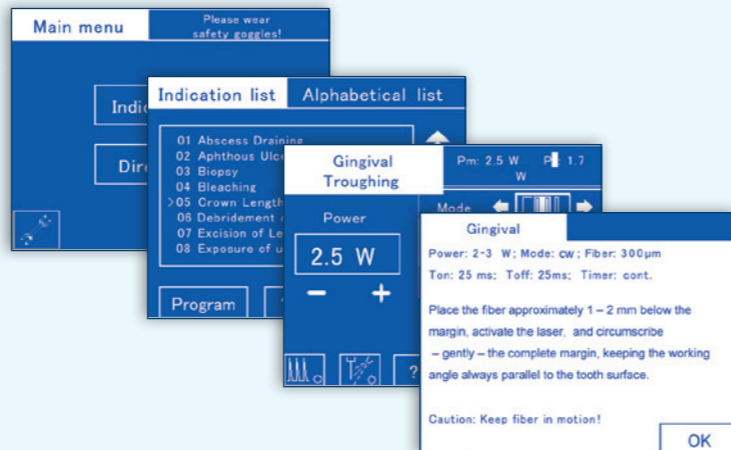
Endodontics <ul style="list-style-type: none"> • Canal sterilisation • Periapical defects • Extirpation • Vitrification 	Periodontology <ul style="list-style-type: none"> • Pocket decontamination • Gingivectomy 	Paediatrics/Cons <ul style="list-style-type: none"> • Coagulation of the pulp • Pulpotomy • Desensitisation 	Implantology <ul style="list-style-type: none"> • Implant exposure • Decontamination of peri-implantitis
Surgery <ul style="list-style-type: none"> • Abscess • Adenoma • Ulcers • Biopsy • Drainage • Epulis • Fibroma 	<ul style="list-style-type: none"> • Fistula • Frenectomy • Frenotomy • Hemangioma removal • Hemostasis • Herpes • Hyperplasias • Incisions/excisions 	<ul style="list-style-type: none"> • Leukoplakias • Lichen planus • Mucocele (ranula) • Mycoses • Operculectomy • Papilloma • Vestibuloplasty 	Prosthetics <ul style="list-style-type: none"> • Sulcus expansion • Gingivoplasty
			Aesthetics <ul style="list-style-type: none"> • Gingivoplasty • Bleaching

Intuitive menu guidance with the GENTLEray 980 Classic Plus

The intuitive menu guidance and integrated, onboard tutorial, were integrated from the very beginning of production, into both the GENTLEray 980 Classic and Premium. Since then, numerous other manufacturers have sought to emulate KaVo's inspired design and innovation.

Advantages of the KaVo user guide:

- Access either via "indication list" or via "direct start" is possible
- Automatic "favourites list"
- Full parameter access for all indications – no prolonged searching in numerous submenus
- Onboard tutorial accessible via the "i" button at any time during use, for maximum level of safety and assurance, even with rarely used indications



KaVo micro-pulse technology "burst" mode: improved tissue protection and greater degree of patient safety

With their high peak outputs, micro-pulses enable very rapid and efficient surgical incisions & excisions. To avoid overheating and excessive coagulation of the tissue, sufficient cooling phases should be observed.

Advantages of micro-pulses

12W peak

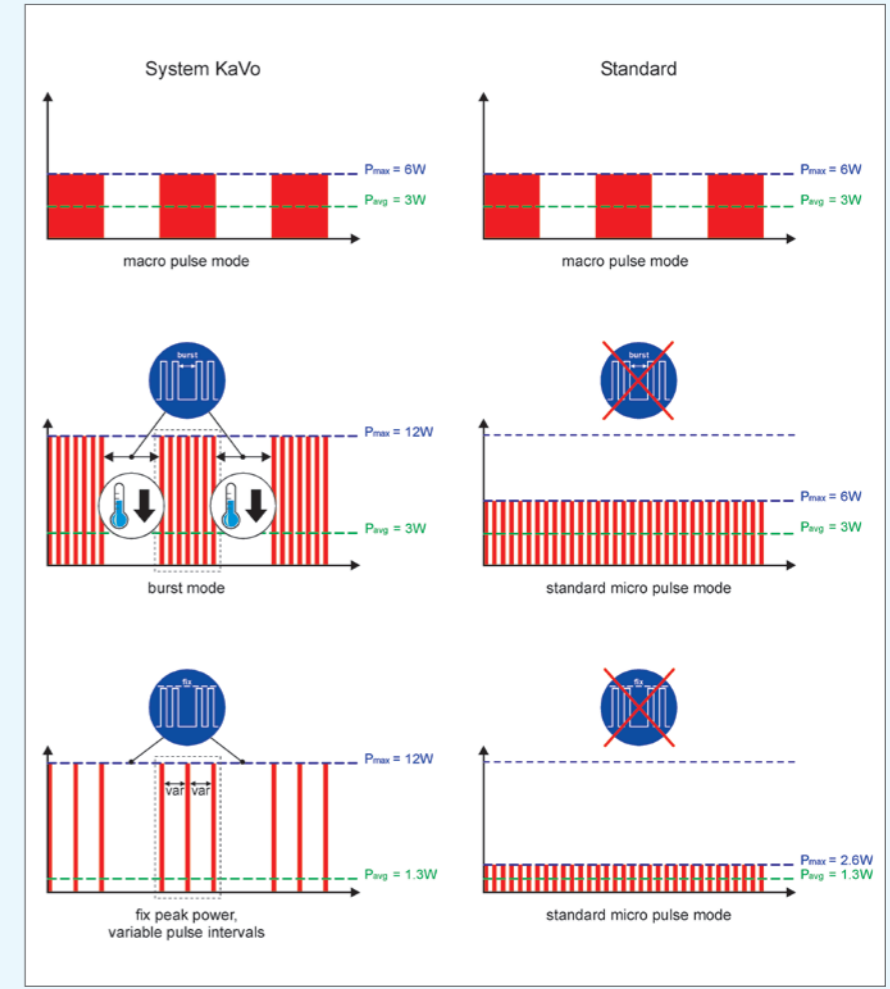
- Doubled peak output compared to macro-pulses, for more efficient incisions & excisions

Advantages of "burst" mode

- Micro-pulses generated in packages ("burst" mode)
- Less heat transmission through tissue, due to inter-pulse cooling phases
- hence improved incision/excision efficiency, due to higher peak outputs, but with the same average power output

Advantages of constant peak output

- Maximum incision/excision efficiency with optimum tissue cooling, especially at very low power settings for very precise use
- Power adjustment by variable pulse intervals, thus even longer tissue cooling/recovery times



The performance values in the graphic have been chosen randomly. The peak outputs in the "normal micro-pulse mode" can of course be significantly higher (whereby the average output will also be proportionally higher).



Retained in the Premium -
Now also in the Classic Plus

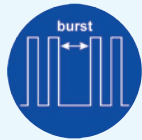


Key selling points for GENTLEray 980 Classic Plus.



Rapid, powerful operation:

12W peak output for higher ablative power in micro-pulse mode



Clinical safety:

Burst mode affords a significant reduction in heat transmission through tissue



Constant efficiency:

Fixed pulse peak output, for maximum incision/excision efficiency, even at very low power settings

Technical data and features

Wavelength: 980 nm	Adjustable pilot beam (635nm)	Sterilisable handpiece
Output: 0.4-6W cw / laser class IV	Onboard tutorials for all indications	Sterilisable fibre roll
Peak output: 12W	LCD colour touchscreen	Sterilisable 300µm fibre
Frequency: 0 - 20,000 Hz	Key-operated switch	Sterilisable 200µm fibre (optional)
Pulse durations: 25µs, 25ms-100s	Foot-operated switch: protection class IP X8	Bleaching handpiece (optional)
Operating modes: continuous wave, single pulse, pulse sequence, micro-pulses	Internal mains adapter 100-240V AC, 50/60 Hz	
Micro-pulses: burst mode, constant peak output	Dimensions (W x D x H) 18 x 26 x 17 cm	



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