B-Cure

The
New Generation
of Curing light

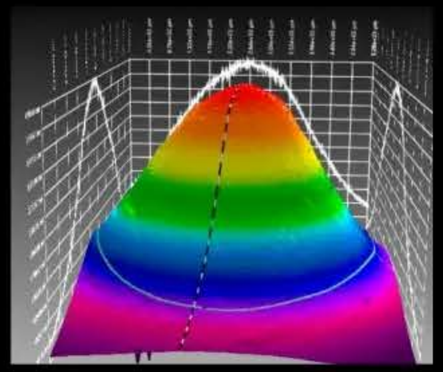

New
generation of
wide-spectrum LED

Customized wide-spectrum LED imported from US

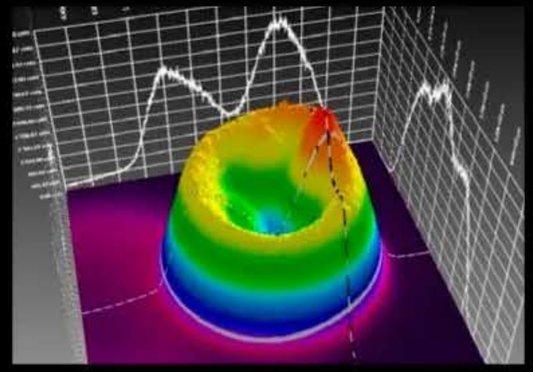
B-Cure Curing Light:
Uniform light output

Ordinary Curing Light:
Non-uniform light output

B-Cure Curing Light emits more uniform light, and the local light intensity will not be too low on the same plane. In bracket bonding, the light energy is more uniform and penetrates through the bracket comprehensively, so the bonding is more reliable.



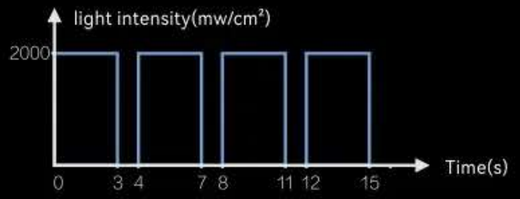
The spatial light intensity of
B-Cure is evenly distributed without
depressions or multiple peaks at the top.



The spatial light intensity of
Ordinary Curing Light is unevenly distributed.

Ortho mode

In the ortho mode that is unique to B-Cure,
the light intensity automatically adjusts to 2000mw/cm^2.
The user can set the single curing time for 3s or 5s,
and the device will automatically conduct
10 circles of curing with interval of 1s.
One operation can basically finish
the cementation of 2 to 3 brackets,
which reduces operations and improves efficiency.



10 cycles with an interval of 1s after each cycle;
Time setting for each cycle can be 3s or 5s.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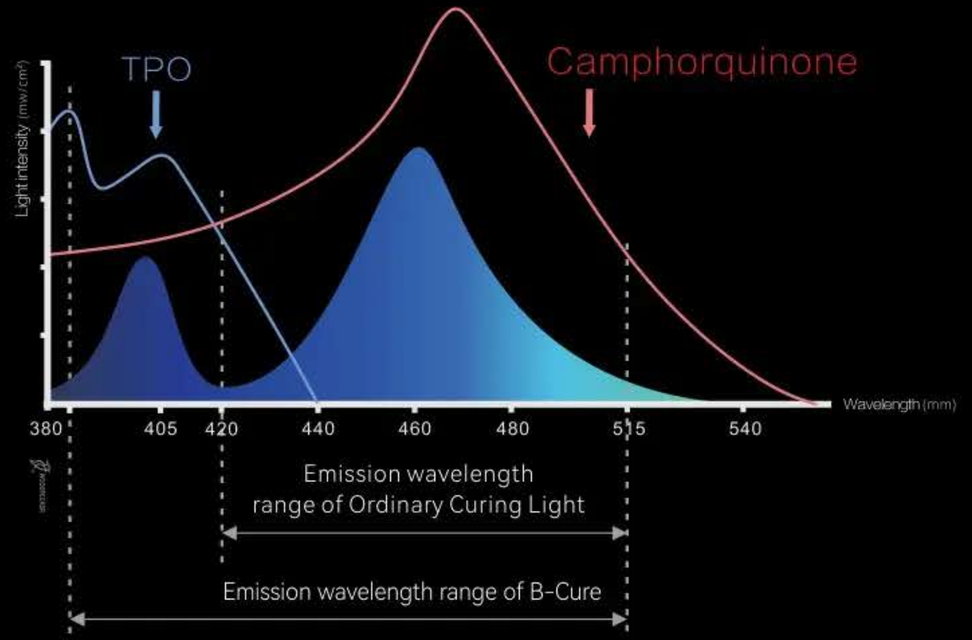
The light-absorbing peak of traditional material (including camphorquinone;the red line on the figure) is 460nm,so the curing can be done by either general Curing Light or Wide Spectrum Curing Light.But camphorquinone is of a yellow color.
It is not suitable to add large amounts of it to bleaching resin or light-colored resins.

The light-absorbing peak of new materials (including TPO;the green line in the figure above) is 405nm.
Compared with general LED Curing Light,
B-Cure owns additional 385nm-420nm wave band which is able to better curing this kind of new material.
TPO is of white color.Thus it is suitable for adding to the bleaching resin and light-colored resin.



3 seconds for curing

B-Cure is equipped with 5w LED.
The maximum light intensity can reach 2000mw/cm^2
with such a small size.

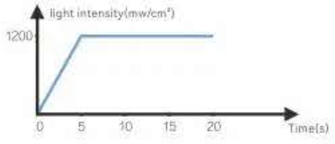
Curing normal resin that is thicker than
2mm in three seconds.

Play an important role in cementation
of all-ceramic restoration and orthodontic bracket.

Continuous power supply

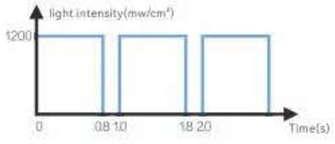
The battery is easy to change by pressing the button on the device.
And the battery can be charged separately by putting it on the charger.
Two original batteries can keep the device working continuously.

Multiple preferred modes
Meet different clinical needs



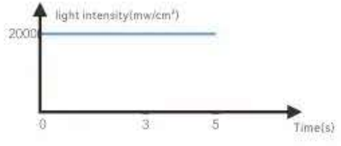
Soft mode

Under Soft mode, the power of
LED gradually increases, giving a longer gel period
for resin to reduce the edge discomfort caused by
stress contraction of resin.
Light intensity increases from 0 mw/cm² to 1200 mw/cm²



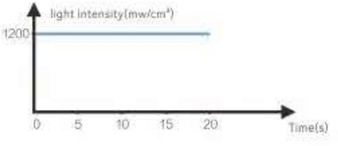
Pulse mode

Continuous cycle of 1s, including the working time
of 0.8s and an interval of 0.2s;
Time setting: 5s, 10s, 15s and 20s.



Turbo mode

Constant high intensity of 1800-2000 mw/cm²;
Time setting: 3s and 5s.



Normal mode

Constant intensity of 1000-1200 mw/cm²;
Time setting: 5s, 10s, 15s and 20s.

More human-friendly design

B-Cure adopts ergonomic design with smooth lines and small size. Doctors can easily hold it.

Optimized Optical Fiber

Can be autoclaved under 134℃ high temperature and 0.22MPa high pressure, effectively avoiding cross infection.

B-Cuer

Conventional optical fiber

Light hood

Studies prove that Blue-ray will cause macular degeneration to retina and eyes.

Woodpecker light hood is made of selected quality materials,rejecting Blue-ray injury .