

# Digital X-ray Technology

## Digital radiography

The computer era has brought us an exciting new technology called digital radiography.

With this technology, we use computerized equipment and software to capture x-ray images of your mouth and teeth. We do this by exposing a small sensor or plate that feeds the image into a computer.

## The advantages of digital radiography

Digital radiography has many advantages over traditional dental x-rays:

- ❖ It's faster.
- ❖ It's safer, with no chemical development and less radiation.
- ❖ We can view images instantly.
- ❖ We can enhance images to improve viewing.
- ❖ Images can be stored electronically and e-mailed to specialists and insurance companies.



*Quick and comfortable*



*Digital x-ray sensor and plate*



*Clear image*

Taking x-rays is faster because the sensor is merely moved from tooth to tooth, and your x-ray can be seen on a computer monitor just moments after exposure. There's no waiting for chemical development, as with film packets. It's also faster because the x-rays are available within moments on the computer monitor, with no development step in between.

The lack of chemicals also makes digital x-rays safer for the environment. Digital radiography is safe for you, too. Because the unit is so sensitive, the amount of x-ray radiation is up to 80% less than with conventional x-rays.

Digital x-ray technology enables more efficient diagnosis and treatment because it provides a large, easy-to-see image, and it allows us to make adjustments and see details in the x-ray images. The digital x-rays can then become part of your dental record and be easily e-mailed to specialists and insurance companies.

With digital radiography, we can offer you faster and safer diagnosis and dental treatment.