New generation of CBCT
Picasso Duo
PICASSO DUO

The Next Generation Technology
Auto-Switching between Panorama & CT Sensor
These functions are what implantologist need to have!

1. A single scan for mandible or maxilla. (FOV: 8X5, 5X5)
4. Easy to use in case of emergency and during operation.
5. Images suppose to be used as soon as possible after CT scanning.
Picasso DUO has these functions

1. Supporting FOV 8X5cm and 5X5.
   It covers full area of maxilla and mandible

2. 3D implant simulation,
   Bone density,
   Canal drawing and so on…
   The advantage of dental CT enables you to increase treatment modality.
   It brought on a qualitative revolution of dental radio-therapeutics.

4. Auto Switching Technology (Patent)
   Embedded two sensors to avoid sensor damage.

5. Revolution of Reconstruction Time.” Max 20 sec (5X5) Only ”
   It is more than 10 times faster than the others

6. Low X-ray Dose Mode – under 1/3 of other Dental CT
Specialized Dental CT in Standard

- Auto-Switching between Panorama & CT Sensors
- LCD Window for Patient Guidance
- Imbedded Camera for Patient Positioning
- LCD Control Panel

Panorama Image
CT Image

World's No.1 Dental Digital Radiography & CT
Renovation with DUO!

E-WOO makes standard.

New generation technology in dental field comes with DUO.

- **ALC (Adaptive Layer Control) Technology**
  - Acquiring high quality on anterior and posterior

- **AOP (Automatic Optimizing Process) Technology**
  - Automatic image selection.

- **CAN (Controller Area Network) System**
  - Enable to stabilize communication system in safe.

- **Auto-Switching Technology.**
  - Embedded two sensors are changing in right position.

- **RRT (Reducing Reconstruction Time) Technology.**
  - Reduce reconstruction down to 20 seconds.
Specialized Dental CT in Standard

Special scanning mode

- Incisor
- Mandibular Canal
- Maxillary Molar
No competition with other dental clinics

CT becomes standard equipment to make implant operation and diagnoses.

Necessity of CT diagnoses
• Diagnose anatomical structure in accurate.
  - Invisible Mandiblar Canal
  - Bone Quality and Quantity
  - TMJ and Endodontics
  - Define positioning of impacted teeth
  - Nasal Cavity, Incisive Canal, Ostum and so on…
• It is becoming the standard of care to prepare a pre-implant surgery treatment plan with 3D.

Panorama vs CT
There is magnification ration on Digital Panorama but CT supports you in 100% accurate.

• Enable to check bone density on Sinus area
Due to the over-ray image on panorama it makes you to have wrong information in order to diagnose.
No competition with other dental clinics

EzImplnat Professional S/W

Mandibular Canal Coloring

Implant Simulation

American Academy of Oral and Maxillofacial Radiography (AAOMR) recommended in 2001 that to have implant treatment suppose to be served with apical foremen form the panorama and shape of alveolar bone form CT images by using sliced sectional view.
No competition with other dental clinics

EzImplnat Professional  3D Implant Simulation function
No competition with other dental clinics

3D diagnoses are making possible to communicate with patient in advance and it follows to have successful implant treatment.

Clinical Cases

Mandibular Canal Detection
No competition with other dental clinics

Clinical Cases

Septum(Septa)
No competition with other dental clinics

Clinical Cases

Intraosseous Artery
No competition with other dental clinics

Clinical Cases

Wisdom Tooth
No competition with other dental clinics

Clinical Cases

Periapical Lesion
No competition with other dental clinics

Clinical Cases

Root Crack
No competition with other dental clinics

Clinical Cases

Implant Surgery Path by using Stent
No competition with other dental clinics

Clinical Cases

Temporomandibular Joint
No competition with other dental clinics

Full Integration with 3rd party SW
## PICASSO DUO; Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Panorama</th>
<th>CT</th>
</tr>
</thead>
<tbody>
<tr>
<td>X-ray beam</td>
<td>-</td>
<td>Cone Beam</td>
</tr>
<tr>
<td>Detector (Sensor Type)</td>
<td>Multi – Linear Sensor</td>
<td>Flat Panel Detector</td>
</tr>
<tr>
<td>Data bit</td>
<td>16bit</td>
<td>16bit</td>
</tr>
<tr>
<td>Scan Time</td>
<td>Normal Mode</td>
<td>9.7 sec</td>
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<tr>
<td></td>
<td>High Mode</td>
<td>13.5 sec</td>
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<tr>
<td>FOV</td>
<td>-</td>
<td>8 cm x 5 cm, 5 cm x 5 cm</td>
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<tr>
<td>Recon Time</td>
<td>Real Time</td>
<td>Less than 20 sec</td>
</tr>
<tr>
<td>Power</td>
<td>110/230V, 1.3kw</td>
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</tr>
<tr>
<td>Tube Voltage</td>
<td>60 ~ 90 kVp</td>
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</tr>
<tr>
<td>Tube Current</td>
<td>2~10 mA</td>
<td></td>
</tr>
<tr>
<td>Focal spot</td>
<td>0.35 X 0.5 mm</td>
<td></td>
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PICASSO DUO ; Dimension

[Diagram showing the dimensions of the PICASSO DUO device, including measurements in millimeters.]