VATECH

# PaX-i3D

Green Innovation
for the Next Generation

Green CT
Pax-i 3D

# Green Innovation for the Next Generation

## PaX-i3D Green The New Digital Environment

1

### Green CBCT

- VATECH's innovative ultra low dose X-ray technology
- Green CBCT protects both patient and clinician

2

### Rapid Scan

- Minimized motion artifacts and faster workflow
- 5.9 second rapid scan time produces superb image quality

3

### Multi FOV Sizes

- Wide range of FOV sizes from 5x5 to 16x10cm
- Optimal FOV for precise diagnosis and reducing patient exposure

4

### Easy and simple Software, Ez3D-i

- Easy to learn, easy to use
- Intuitive user-interface and powerful consulting tools

# PROFESSIONAL DIAGNOSTIC VALUE WITH 3D IMAGES

## WIDE RANGE OF DIAGNOSIS WITH MULTI FOV SELECTION

With its expanded FOV sizes, the PaX-i 3D Green offers much higher diagnostic value for professionals.

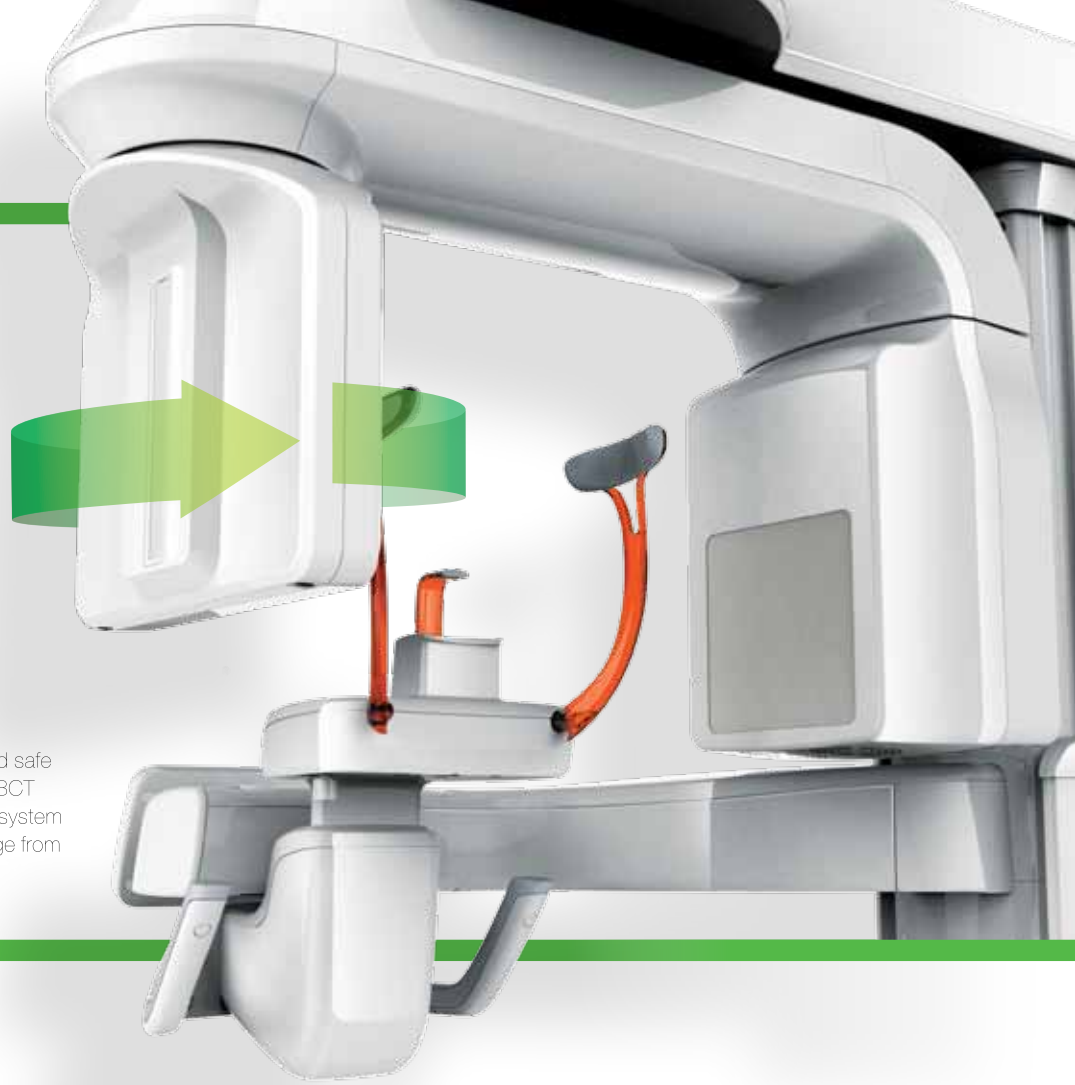
## Great Clinical Care with GREEN INNOVATION

**PaX-i3D Green produces superb diagnostic images, which will be a source of pride for any dental practice, and improving the health and safety of your patients at the same time.**

**5.9 sec**

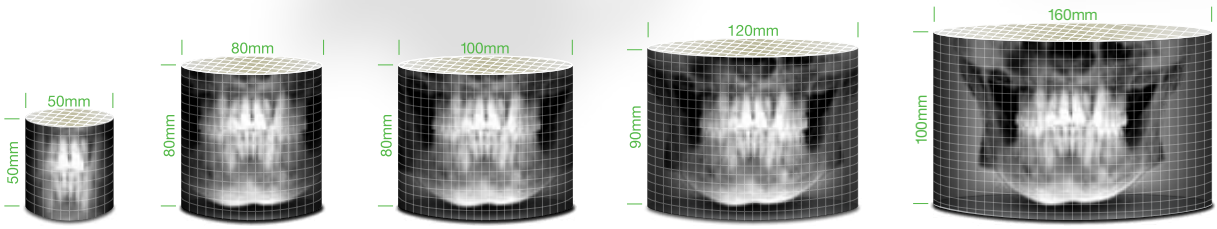
**Just 5.9 sec is enough!**

Experience great image quality thru VATECH's 10-year accumulated know-how and advanced technology.



**AUTO-SWITCHING**

PaX-i3D Green offers convenient and safe 'Auto-Switching' system between CBCT and Panoramic sensors. This smart system conveniently prevents sensor damage from accidental dropping.



## FOV 10X8

10 x 8cm FOV is ideal for dual arch scans of the entire dentition, including third molars, implants and surgical guides.

## FOV 16X10

16x10cm FOV provides the optimal information for diagnosis of the entire dental arch, including the TMJ. In addition, implant planning and facial surgery treatment planning is possible.

Ez 3D-i

# PROFESSIONAL DIAGNOSTIC SOFTWARE EASY TO LEARN, EASY TO USE

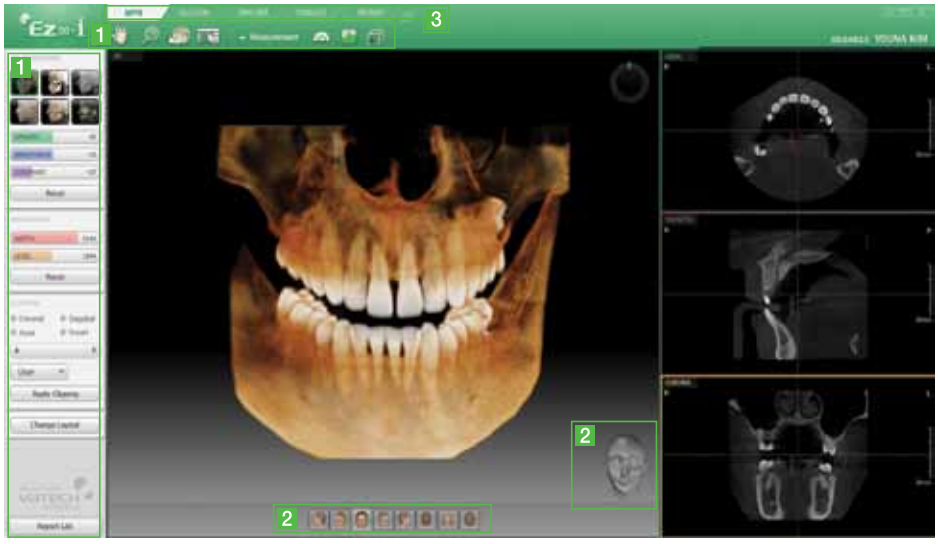
Ez3D-i will make your diagnosis easier and more professional.
This innovative software is easy to learn and use which will save time and increase productivity.

***Ez3D is included with all CBCT purchase. However, Ez3D-i requires an additional purchase (Optional).**

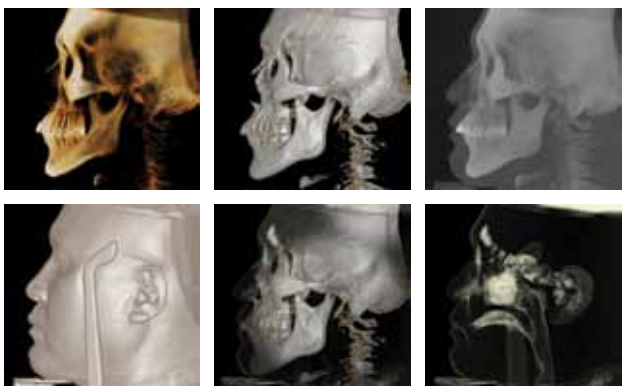
**1 Simple Tool Bar**
Well organized and intuitive icons makes your workflow faster and efficient. They are configured in an easy to follow diagnostic sequence.

**2 VR Control & Navigator**
You can control the volume rendering with one simple click of the mouse. Navigation indicators show what region of anatomy is being displayed.

**3 Multi View Tab**
Ez 3D-i view tab includes the MPR, Curve, Implant, Consult, Report and many more.



· **High quality volume rendering**



· **Various VR coloring modes**

## Smart Click

- Simply click any part of the volume rendering to instantly display optimal image information without adjustments of the axes

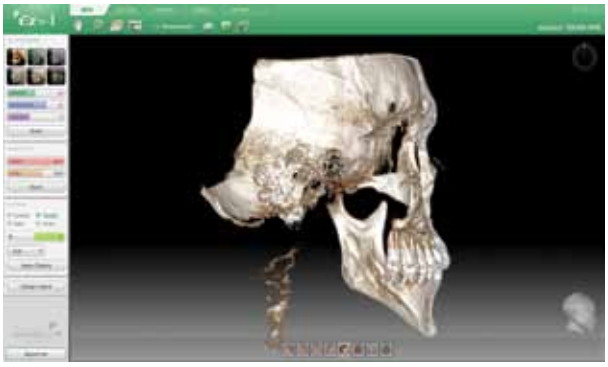
## Implant Simulation

- Insert implant systems in just two simple clicks. The new streamlined process greatly improves ease of use and efficiency of your implant planning

- Visually impressive systems and 3D bone density analysis will make your consultation more powerful and increase case acceptance

## Smart Clipping

- Smart clipping enables you to clip and see the 3D image in the direction as it is shown on the screen



## Special Report & Consult View

- Easily create an electronic PDF report as well as e-mail images rapidly with various new and improved reporting functions to choose from

- Ez3D-i enables you to consult with a full size image using various tools

# PROFESSIONAL DIAGNOSTIC VALUE WITH CEPHALOMETRIC IMAGES

**EXTENDED DIAGNOSTIC VALUE FOR WIDE INSIGHT**

## Cephalometric (Scan type)

PaX-i3D Green provides optimal images with an exclusively designed sensor for cephalometric diagnosis. As it offers two image sizes, LAT and Full LAT, you can choose one of them based on the purposes of your diagnostic needs.

### Built-in Sensor System

It enables you to acquire high quality images in a safe and comfortable environment.
Best of all, you don't need need to waste time or risk damage by changing sensors.

LATERAL

**LATERAL**

Provide specialized high quality images to suit orthodontics and maxillofacial surgeries.

FULL LATERAL

**FULL LATERAL**

Full lateral image size is 30% wider and shows the occipital area of the patient, which enables comprehensive diagnosis.

| Examination Program | Scan Time (sec) | Image Size |
|---|---|---|
| **LATERAL** | 12.9 | 21X23cm (8.3X9.1″) |
| **FULL LATERAL** | 16.9 | 27X23cm (10.6X9.1″) |

**ONE SHOT CEPH**
With One Shot Ceph, you can acquire high quality images with low X-ray dosage. Plus, short scan time markedly reduces motion artifacts.

## Cephalometric (One Shot type)

Superior image quality is delivered using highly advanced a-Si TFT Sensors.
Three different ceph image sizes reduce unnecessary X-ray dosage and scans the ideal area of cranial anatomy for your diagnosis and treatment planning.

LATERAL

**SMALL** 20X20cm (8X8″)

**MEDIUM** 23X25cm (9X10″)

**LARGE** 30X25cm (12X10″)

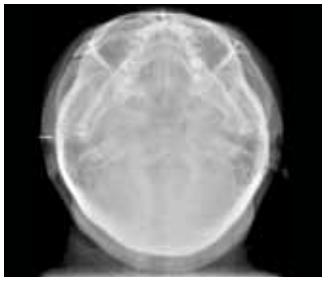
**OS** (One Shot Standard) →

**OP** (One Shot Premium) →

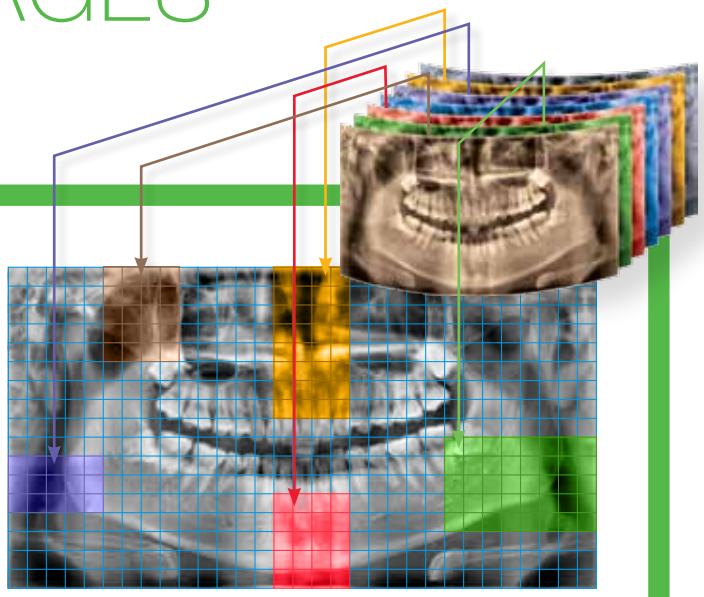
**PA**

**Carpus**

**SMV (Submentovertex)**



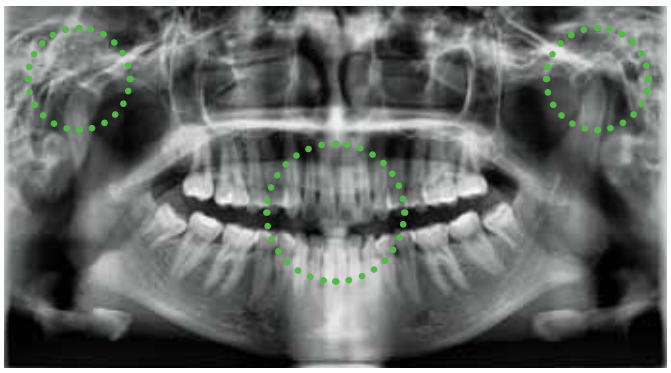
# PROFESSIONAL DIAGNOSTIC VALUE WITH PANORAMIC IMAGES



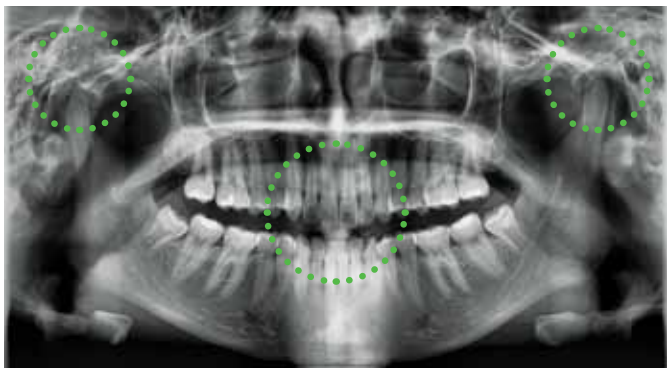
### MAGIC PAN

MAGIC PAN creates a more superb panorama image. It is acquired thru the elimination of distorted and blurred images caused by improper patient positioning (Optional).

NORMAL



MAGIC PAN



Focused image is reorganized throughout the whole dental arch and the image quality can be increased.
The image becomes clearer especially in the incisor and canine region, TMJ and root canal.

### Intuitive User Interface & Various Capture Modes

| Mode | Detail Description |
|---|---|
| Standard | Standard, Right, Left, Front |
| Bitewing | |
| Orthogonal | |
| TMJ | PA / Lateral |
| Sinus | |

## PRODUCT CONFIGURATION

| | CBCT | PANO | CEPH | |
|---|---|---|---|---|
| | | | SCAN | ONE SHOT |
| PaX-i3D Green | • | • | – | – |
| PaX-i3D Green SC | • | • | • | – |
| PaX-i3D Green OS | • | • | – | • |
| PaX-i3D Green OP | • | • | – | • |

## SPECIFICATION (PaX-i3D Green : PHT-60CFO)

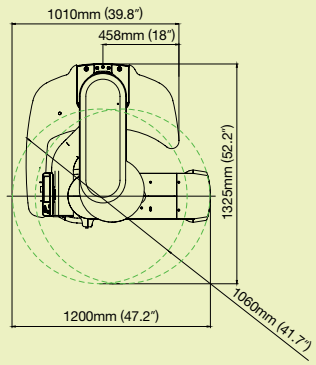
| | |
|---|---|
| Function | Pano + CBCT + Ceph |
| CT - FOV Size(cm) | 10X8 : Multi [5X5 / 8X8 / 10X8]<br>16X10 : Multi [5X5 / 8X8 / 12X9 / 16X10] |
| Voxel Size | 5X5 : 0.12mm / 0.2mm<br>8X8, 10X8, 12X9, 16X10 : 0.2mm / 0.3mm |
| Scan Time | Pano : 10.1sec (Normal)<br>Scan Ceph : 12.9sec (Full LAT-16.9sec)<br>One Shot Ceph : 0.9-1.2sec<br>CBCT : 5.9sec (Fast) |

| | | |
|---|---|---|
| Ceph FOV Size | SC | 21X23cm (8.3X9.1")[LAT, PA, SMV, Waters View, Carpus]<br>27X23cm (10.6X9.1")/ [Full LAT] |
| | OS | 20X20cm (8X8") [LAT, PA]<br>23X25cm (9X10") [LAT, PA, SMV, Waters View, Carpus] |
| | OP | 20X20cm (8X8") [LAT, PA]<br>23X25cm (9X10") [LAT, PA]<br>30X25cm (12X10") [LAT, PA, SMV, Waters View, Carpus] |
| Gray Scale | 14 bit | |
| Patient Position | Standing / Wheel-Chair Accessible | |
| Tube | 50-100kVp (1kV step) / 4-16mA (0.1mA step) | |

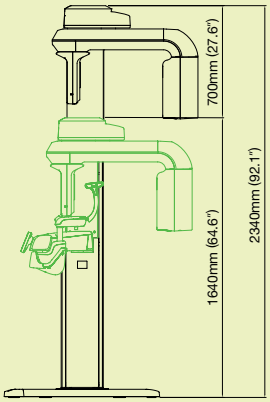
## DIMENSIONS

### PaX-i3D Green
Pano/CBCT

TOP VIEW

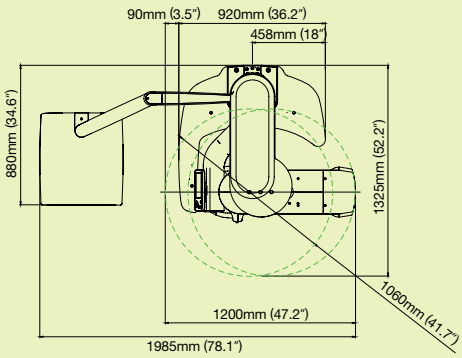



FRONT VIEW

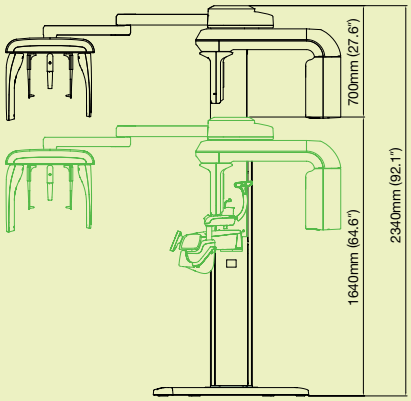



### PaX-i3D Green SC
Pano/CBCT/Scan Ceph

TOP VIEW

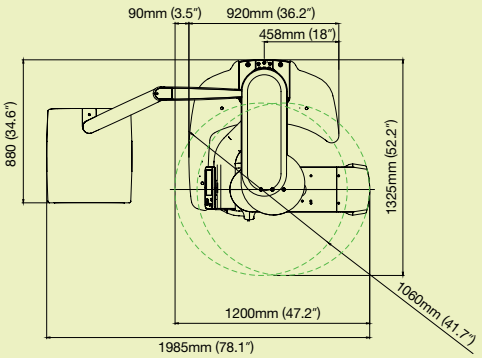



FRONT VIEW

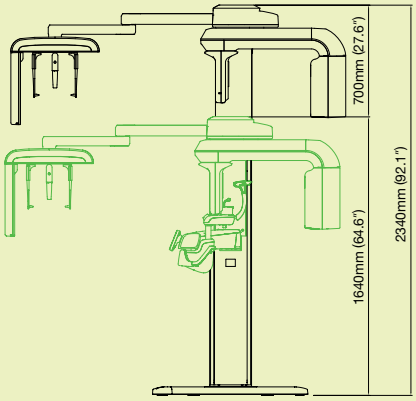



### PaX-i3D Green OS/OP
Pano/CBCT/One Shot Ceph

TOP VIEW




FRONT VIEW



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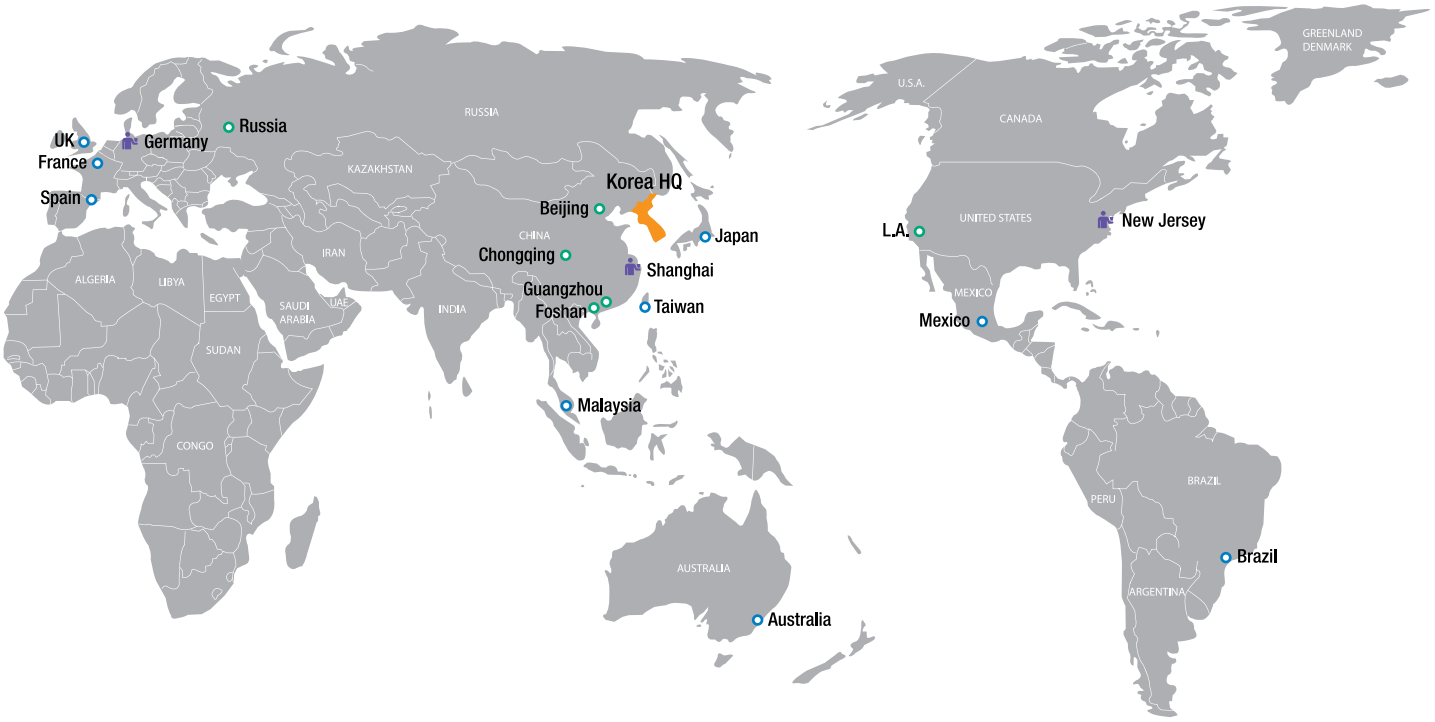


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