🧠 AI-Driven Diagnostics: Elevate Your Practice with Bright CT

The Future of Dental Imaging Starts Here

Precision, Intelligence, and Efficiency for the Modern Dental Practice

Today, we're not just introducing a new CBCT unit — we're unveiling an AI-powered diagnostic system that eliminates routine burdens and unlocks new treatment opportunities.

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BY ELEXADENT

The Diagnostic Bottleneck

The Challenge: Why Upgrade?

What are the key challenges modern practices face?

1. Artifact Frustration

Metal streaks and dark bands (MAR) obscure critical details, leading to interpretation risk.

2. Time-Consuming Planning

Manual measurements for implants and orthodontics slow down your workflow.

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Why Upgrade? Cont ...

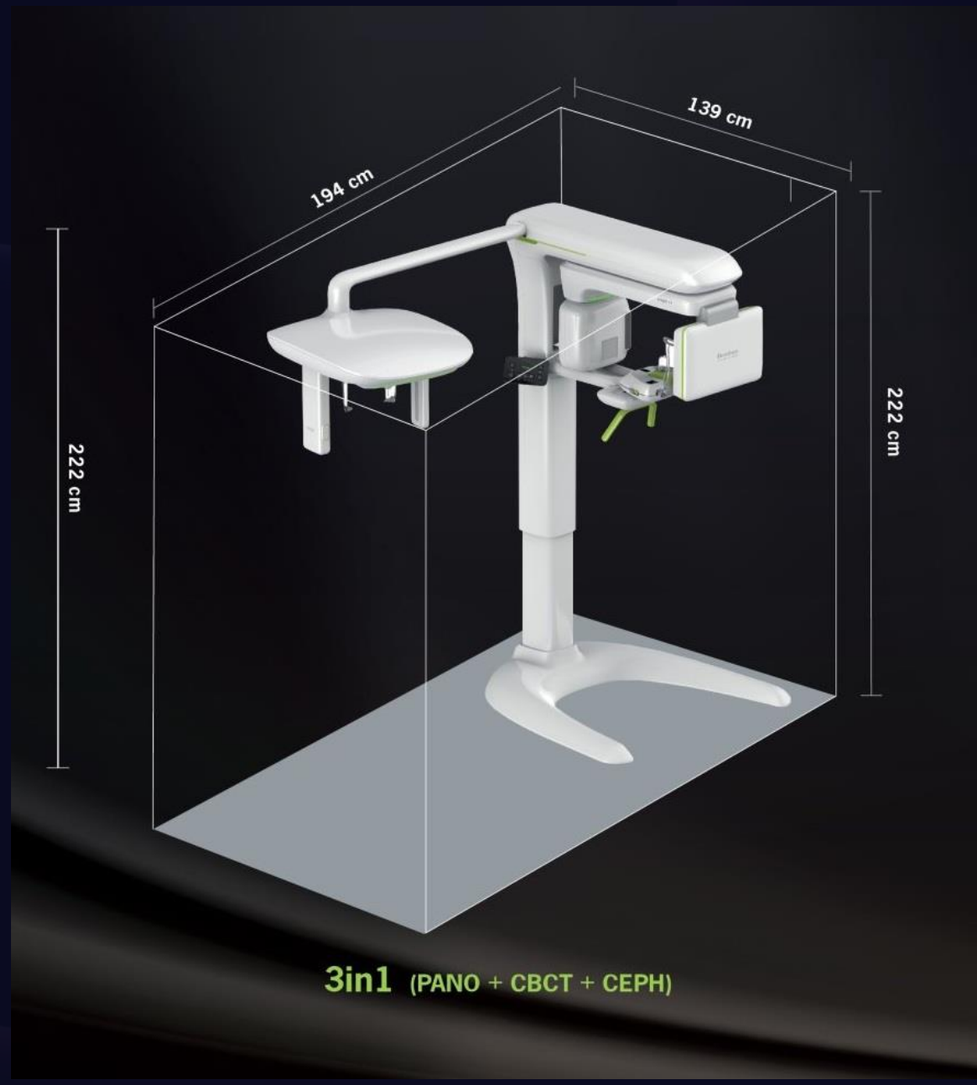
3. Limited Versatility

Needing multiple imaging systems or referring patients out for complex cases (e.g., full maxillofacial).

4. Space & Dose Concerns

Large equipment and the constant need to minimize patient exposure.

Every practice deals with metal artifacts, manual planning, and space constraints. The bright CT addresses all of these, dramatically improving clinical efficiency and diagnostic confidence.



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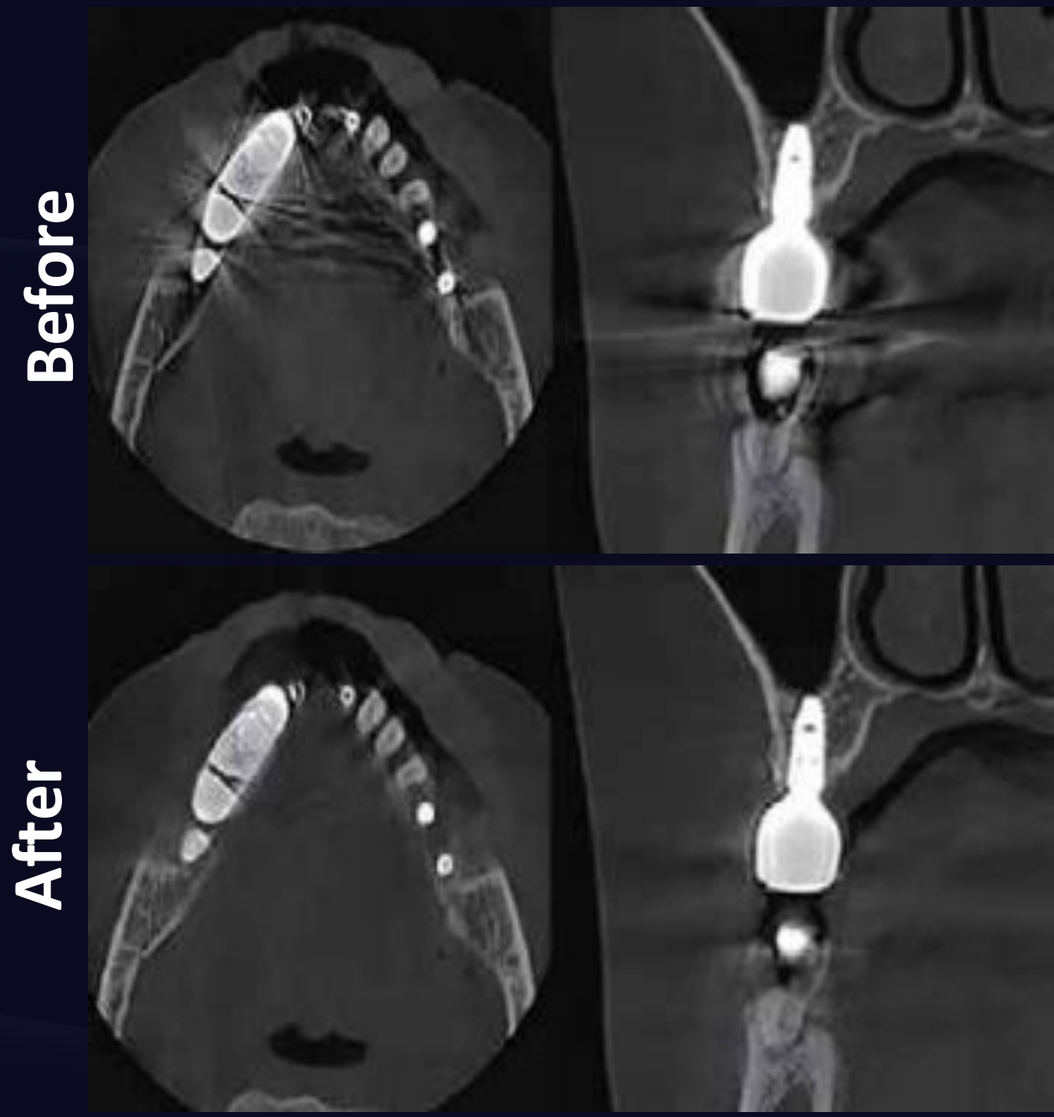
Uncompromising Quality at the Right Dose

Solution Pillar 1: Diagnostic Clarity & Dose Management

1 Game-Changing Dentium MAR

Equipped with a dedicated Metal Artifact Reduction algorithm to minimize streaks and dark bands caused by implants, fillings, or restorations. **Benefit:** Confirm diagnoses and virtually eliminate misinterpretation risk.



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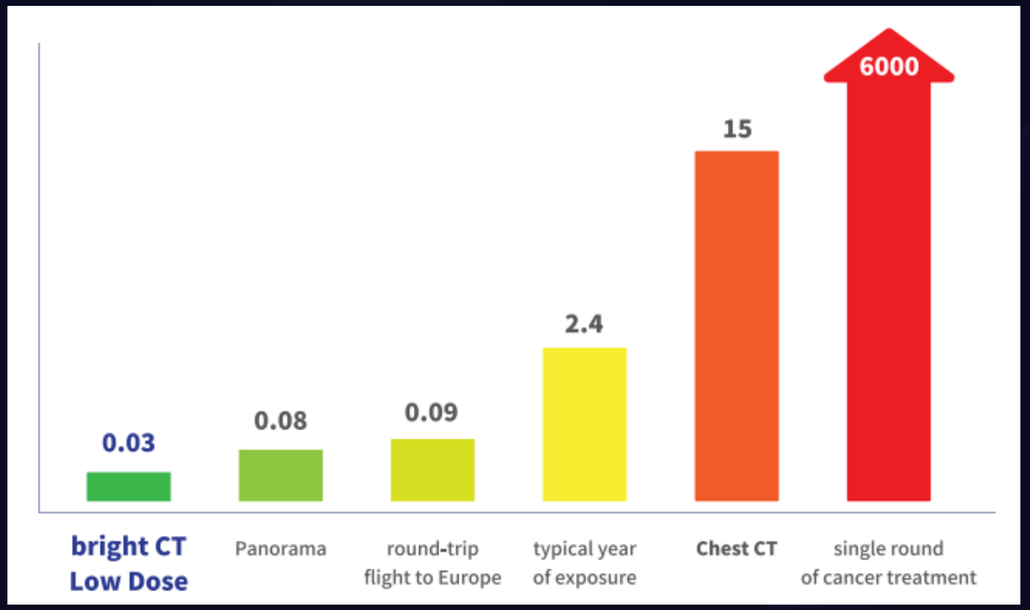
Solution Pillar 1: Cont ...

2 Low Dose Mode

Advanced engineering optimizes X-ray intensity, lowering exposure for easily penetrated tissues. **Benefit:** Drastically reduced patient exposure (e.g., Panoramic Low Dose: 132.5 vs. Standard Panoramic: 584.4).

3 Crystal Clear Panoramic

Utilizes multi-layered technology to take multiple images, segment them, and automatically compile the best segments into one optimized panoramic image. **Benefit:** Always get the sharpest panoramic image without manual retakes.



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The Power of AI: Eliminating Routine Burdens

Solution Pillar 2: AI-Powered Efficiency (Smart Dentium AI)

How the integrated Dentium AI software automates planning and assessment:

1

AI Implant Planning

Automatically detects missing teeth and sets the initial position of the fixture and crown. **Result:** Minimizes manual implant planning time.

2

Rapid Nerve Canal Search

Locates the inferior alveolar nerve canal within 15 seconds. **Result:** Provides fast, accurate, and reliable nerve diagnosis.

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The Power of AI: Cont ...

3

Automatic Arch Generation

Dentium AI algorithm automatically generates the arch line in seconds with high accuracy. **Result:** Speeds up diagnostic setup for all cases.

4

Orthodontic Assessment

Automatically detects landmarks on the scanned image for orthodontic treatment. **Result:** Streamlines orthodontic case planning.

This AI isn't a gimmick; it's a co-pilot that handles the repetitive, time-consuming steps, giving you back precious chair time.

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One System. Every Clinical Need.

Solution Pillar 3: Versatility and Full Coverage

The bright CT is a versatile CBCT system with the broadest range of Fields of View (FOV) in its category.

5x5 cm

Local Endodontics (Max resolution 80µm) and small regions.

12.5x9.5 cm

Standard FOV for implants, periodontal, and oral surgery.

17.5x15 cm (Stitched)

Full arch, Maxillo-facial, and Zygomatic Implants.

Comprehensive Applications:

- **Airway Analysis:** Module allows easy airway segmentation in a few clicks.
- **TMJ Diagnosis:** Symmetry view provides cross-sectional images for bilateral temporomandibular joint diagnosis.
- **Endodontics Mode:** Maximum resolution of 80µm for superior detail.

From a focused 5x5 endo scan to a full 17.5x15 maxillofacial reconstruction, the bright CT keeps advanced procedures in-house, expanding your treatment capabilities.

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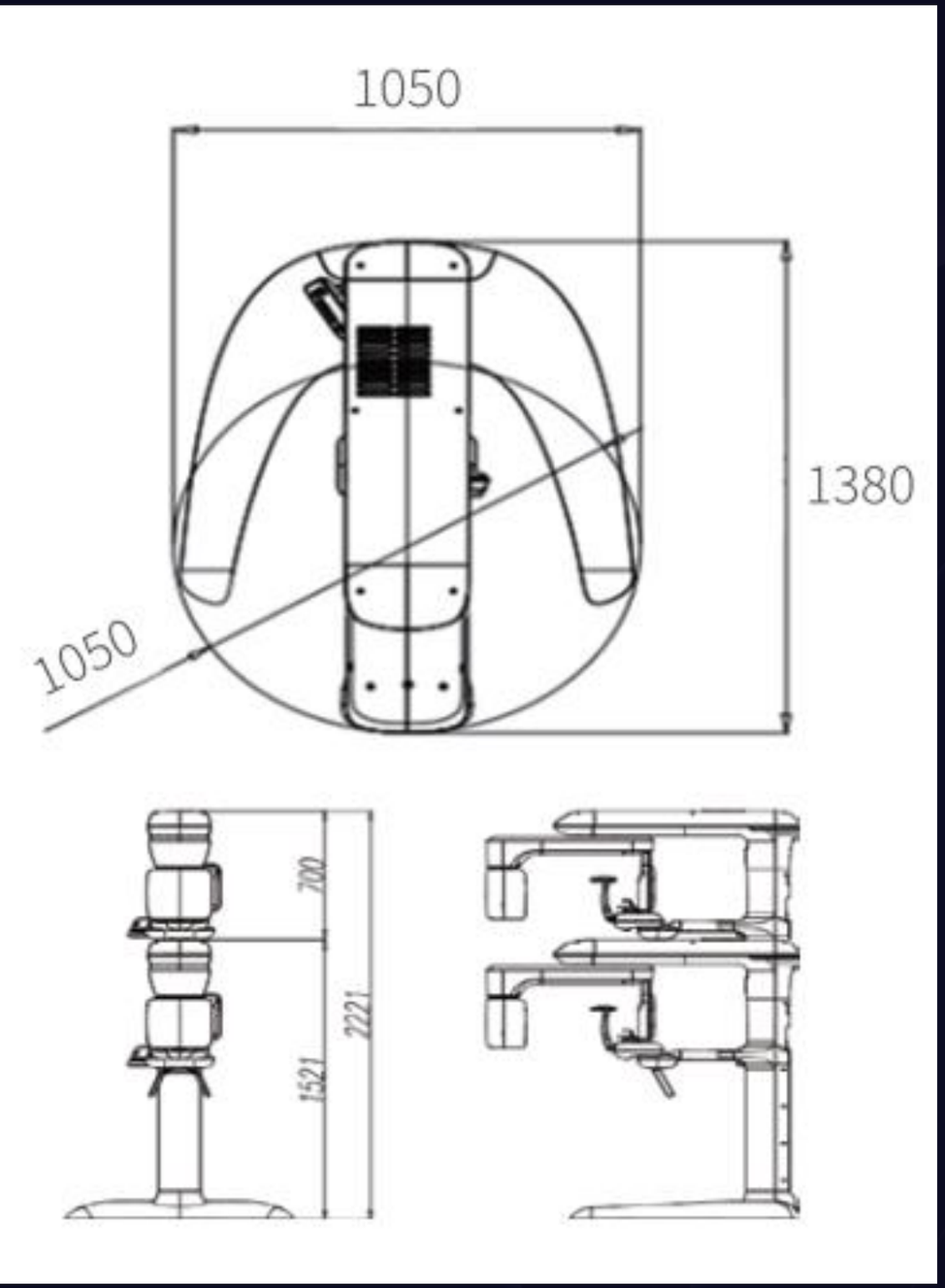

Compact Footprint, Expanded Capability

Solution Pillar 4: Compact Design (Virtual Ceph)

1 Space-Saving Design

The compact, sleek design guarantees seamless integration into any practice environment.

2 Unique Virtual Ceph Feature

bright CT enables acquiring highly precise cephalometric images *without* the need for an external cephalometric module. **Result:** The footprint of the device is reduced to near zero compared to traditional systems, saving valuable space and cost.

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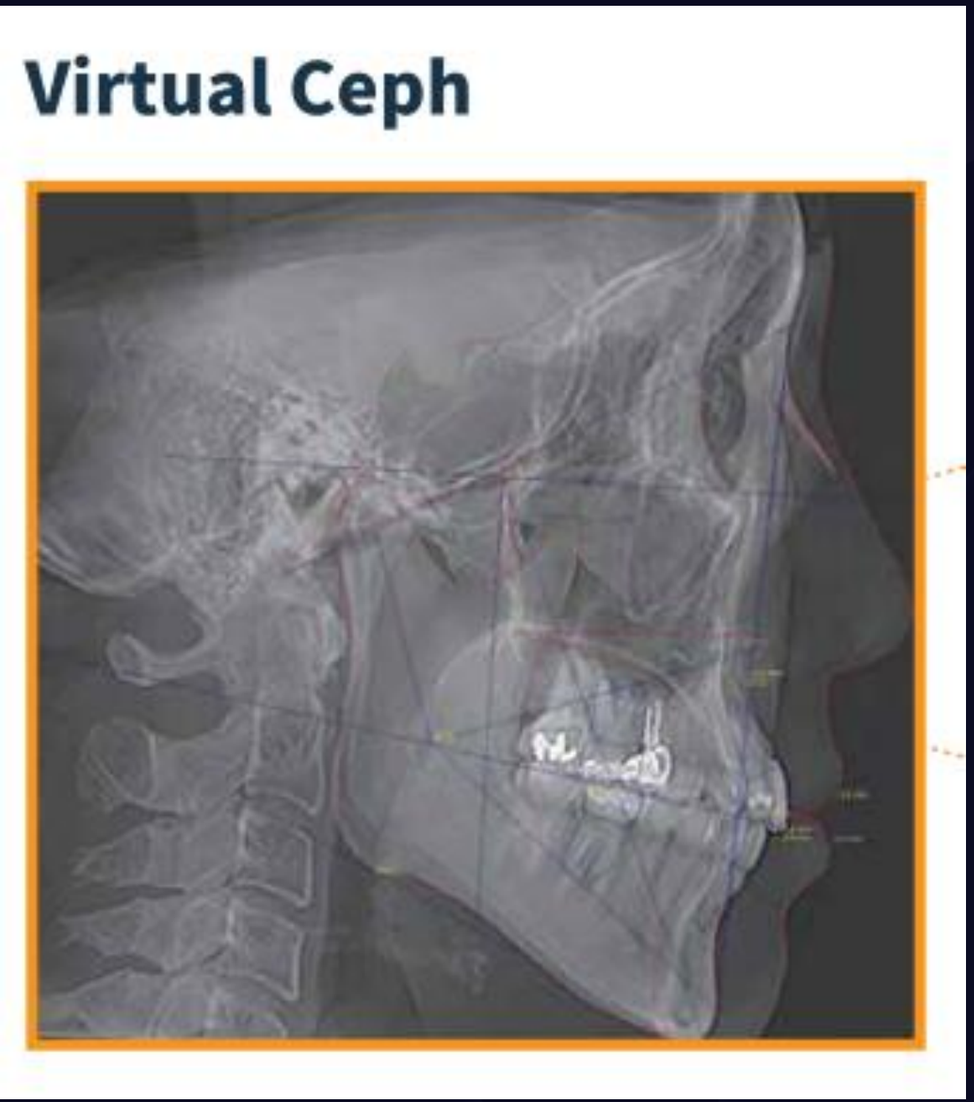

Solution Pillar 4: Cont ...

3

The New Era of Cephalometric

Innovative image processing algorithms allow for quick and accurate capture and analysis of cephalometric images.

You get the capability of a full-service imaging center without sacrificing your precious office space, thanks to the integrated Virtual Ceph function.

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bright CT: The Smart Investment

Summary and Next Steps

Precision

Dentium MAR and Low Dose Mode ensure the highest quality images with the lowest risk.

Speed

Dentium AI automates planning steps like Arch generation and Nerve Canal search, saving minutes per patient.

Versatility

Full clinical coverage with 5 FOVs and specialized modules (TMJ, Airway, Endo).

Space

Compact design and integrated Virtual Ceph for a reduced footprint.

Call to Action

- What treatment planning challenge do you find most time-consuming today?
- Let's schedule a personalized demonstration to show the Dentium MAR and AI features in action using one of your recent challenging cases.

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Key Specifications

Technical Specifications

Tube Type	High frequency DC generator
Focal Spot	0.5 mm
Detector	CMOS
Voxel Size	80 - 300 µm
FOV Options	5x5 cm, 12.5x9.5 cm, 17.5x15 cm (Stitching)
Scan Time (CT)	10/15/20 sec (Stitching: 20/30/40 sec)
Panoramic Scan Time	11.8 sec

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Model Comparison

Feature	1T / 1TC	2T / 2TC	2TS / 2TSC
Max FOV (cm)	12 x 9.5	17.5 x 9.5	17.5 x 15 (via Stitching)
Cephalometric Arm	Available (Model 1TC)	Available (Model 2TC)	Available (Model 2TSC)
CT Scan Time (sec)	10 / 15 / 20	Multiple options from 6.6s to 20s	Multiple options, including Stitching mode (20 / 30 / 40s)
Impression Scan	Not Available	Available (39.5 sec)	Available (39.5 sec)
Pano Scan Time	11.8 sec	11.8 sec	11.8 sec

Key for Model Names:

- **T** = Standard Tomography (CT)
- **C** = Includes Cephalometric Arm
- **S** = Includes Large FOV Stitching Function

Features Common to All Models:

- **Tube Type:** High Frequency DC Generator
- **Focal Spot:** 0.5mm
- **Detector:** CMOS
- **Voxel Size:** 80 - 300µm

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