

R2 Photogram

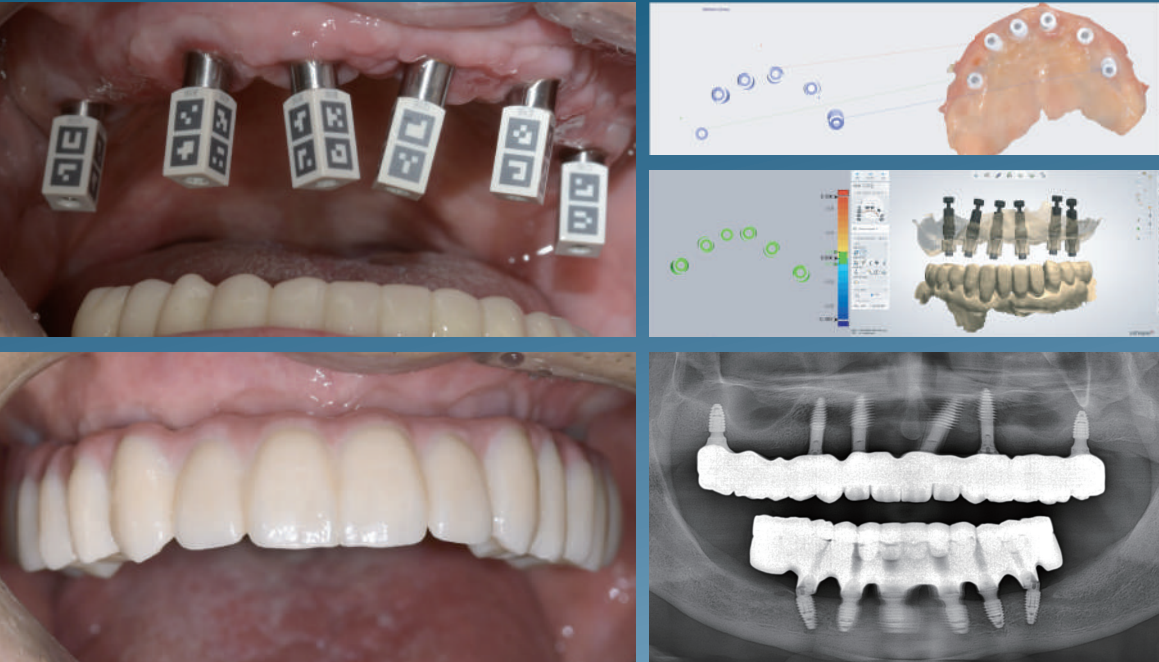
The Final Piece of the MegaGen Full-Mouth Solution

From surgery to final prosthesis, MegaGen BlueDiamond, BlueDiamond Cuff & ARI Implant System, AXA abutment and the R2 Photogram redefine full-mouth treatment. MegaGEN delivers a full-mouth solution—simpler, stronger and more predictable than ever.



R2 Photogram AXA Scan flag

A dedicated R2 Photogram coded scan flag kit is available exclusively for the AXA Abutment. Individual scan flags can be purchased separately in case of loss or damage.



R2 Photogram Specifications		
Camera	Dimension(L x W x H)	179.8×174.3×75mm
	Weight	1.3kg
	Battery capacity	2500mA
Range	Measuring Space	90 x 90 x 50mm
	Measuring Distance	260mm
	Detecting Capability	2 to 8
Accuracy	Angle	< 1°
	Position	< 20 ~ 30μm
Speed	All on X (2 to 8)	Max. 20 second
Calibration		Calibration free (Optional)
Output		STL
Connectivity		USB 3.0
Multilingual System		Chinese, English, French, Spanish, Russian, Portuguese, Italian, Greek, Polish, Romanian, Japanese and Korean.

R2 Photogram

The Complete MegaGen Full-Mouth Solution



www.imegagen.com

The Final Piece of the MegaGen Full-Mouth Solution

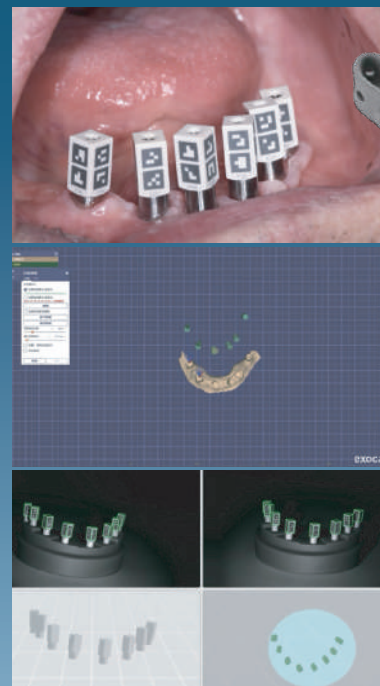
R2⁺Photogram

R2Photogram utilizes high-precision image detection and measurement technology to accurately capture implant position data in edentulous patients. This provides precise input for full-mouth prosthetic design, improving prosthetic accuracy while enhancing patient comfort and overall satisfaction—all in a single, efficient workflow.

5^{Min.}

5 Minute Fast Workflow

The R2Photogram process provides consistent and reliable impression accuracy beyond conventional manual methods, while simplifying the workflow for full-mouth prosthetic fabrication. Implant position capture is completed through a three-step extra-oral process and supports compatibility with third-party CAD software such as exocad.



10^{µm}

Max. 10 µm Accuracy

With positional measurement accuracy better than 20 - 30 µm and angular accuracy better than 1.0°, R2Photogram's advanced image detection and measurement technology enables highly reliable implant position capture.



20^{Sec.}

20 Seconds per Jaw

R2Photogram scan data is rapidly matched to identify implant positions, enabling mathematical impression taking for one jaw in as little as 20 seconds.



Compact & Handy Design

Move beyond traditional impressions with a contact-free approach that minimizes discomfort, shortens treatment time and enhances the patient experience.

Lightweight, Easy to Handle Bracket

The racket offers adjustable lengths. By pressing the locking button on the leg, the leg length can be adjusted. It can be collapsed and folded during shooting making it easy to pick up and put down.

Max. 3 Hours Long Battery Life

Works continuously for 3hours on a full charge

No wating to Calibrate for Each Use Simple Operation

Direct impression taking is available, No need to calibrate for each use : Simple operation

1.3kg Light weigh Design

Lightweight design for the body allowing for long-lasting work without fatigue.

AXA Abutment

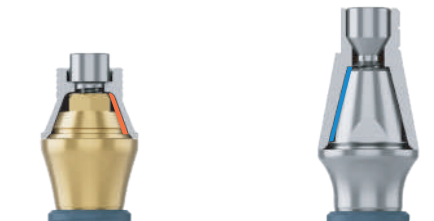
All-on-X Abutment Redefines the MUA Standard

MegaGen Implant redefines the All-on-X standard with the AXA Abutment, overcoming the inherent limitations of conventional MUA systems—from fracture and retention loss to structurally compromised screws. Higher strength, stronger retention, and wider angulation compensation deliver a more robust, stable, and predictable full-mouth workflow.

4.0mm Post height

Extended post height for stronger All-on-X prosthetic retention

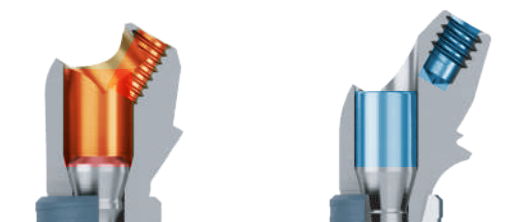
	MUA	AXA
Post Height	2.2mm	4.0mm



3.5 Thread engagement

Full thread engagement through an improved design to eliminate screw loosening

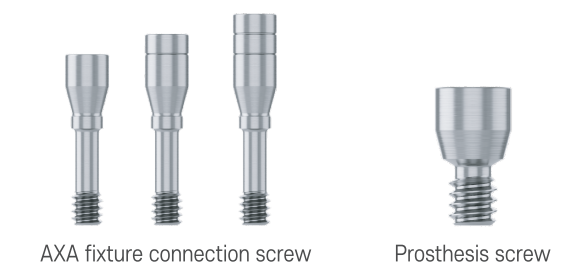
	MUA	AXA
Screw engagement	1.5	3.5



1.6 Screw diameter

Reinforced screw design for fracture prevention AXA Abutment provides dedicated fixation screws matched to each abutment cuff height, along with separately available prosthetic screws for restorative use.

	MUA	AXA
Screw diameter	M1.4	M1.6



Straight / 12° / 20° / 30°

Wider angulation compensation for a broad range of clinical indications



More Convenient with the BlueDiamond, ARI & AXA Selection Guide Kit

Wider angulation compensation for a broad range of clinical indications

