Electromagnetic Healing.
Go Beyond the Surface.

Compatibility Deck
Q4/2024

www.magdentmed. com
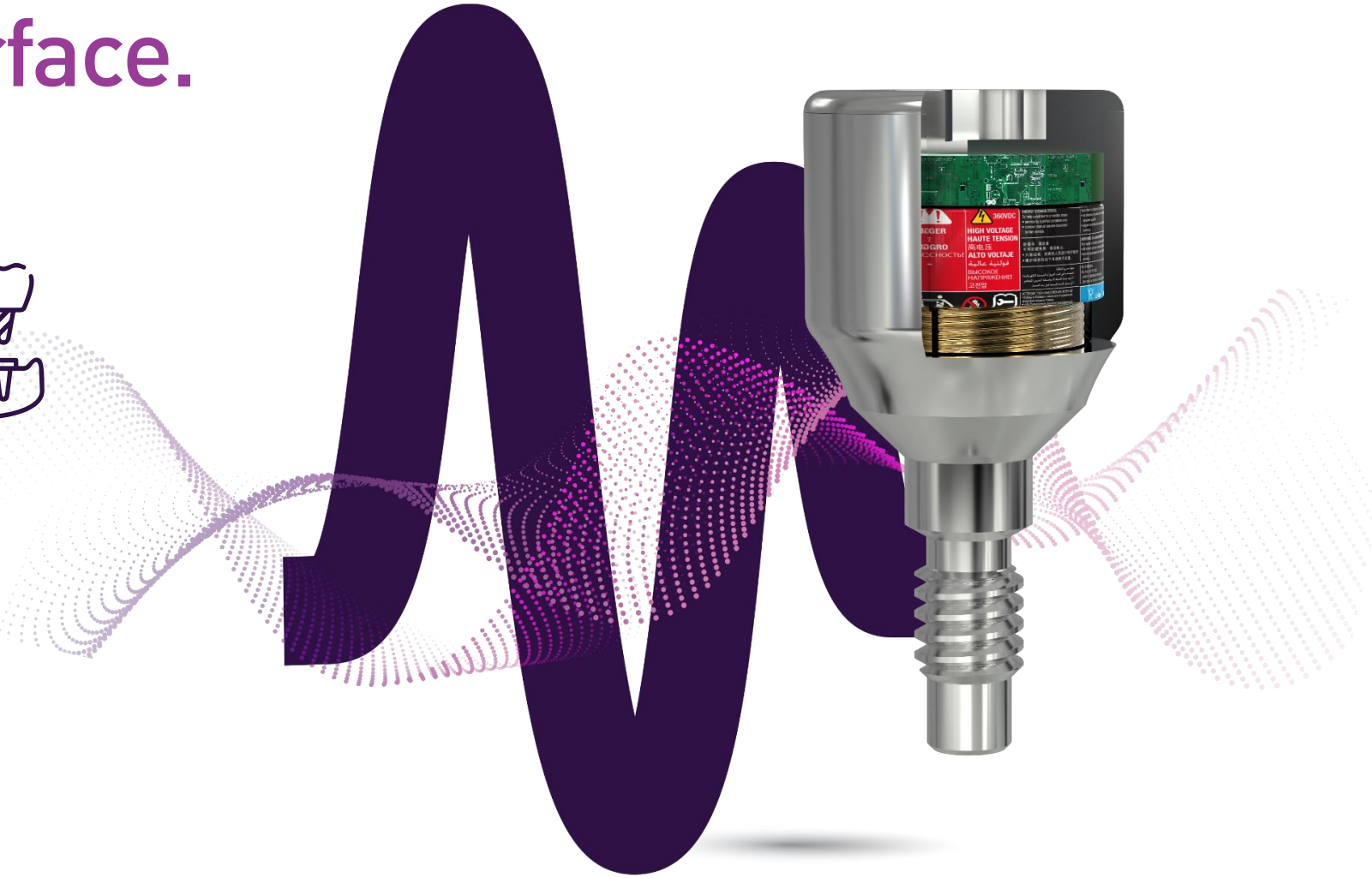
Bone Growth Stimulator

Miniaturized Electromagnetic Device©

5 .3 mm

4.6 mm

360 VDC

MED
BONE GROWTH
ACCELERATING DEVICE

The future of implantology is here

Similar design like healing abutments

Same protocol treatment

Same material

Compatibility with 80% of implants brands

Less than 10% of an implant placement procedure

Magdent

Core Technological Innovation

1st company to evaluate PEMF's effectiveness and benefits in dentistry

THE JOURNAL OF CRANIOFACIAL SURGERY

Miniaturized electromagnetic device abutment improves stability of the dental implants

More

CLINICAL ORAL IMPLANTS RESEARCH

A new device for improving dental implants anchorage

More

Biofouling
The Journal of Bioadhesion and Biofilm Research

Antimicrobial effects of a pulsed electromagnetic field

More

International Journal of Nanomedicine

Bone Regeneration Revolution – PEMF Modulates Macrophage Derived Exosomes to Attenuate Osteoclastogenesis

More

Forsythdentech 2023
Convening the oral health innovation ecosystem

DENTALPRODUCTSREPORT

DENTAL TRIBUNE

SCIENTIFIC REPORTS
nature

Pulsed electromagnetic fields increase osteogenetic commitment of MSCs

More

BioEM

A novel nonsurgical therapy for peri-implantitis using focused pulsed electromagnetic field

More

materials

Effect of the Pulsed Electromagnetic Field (PEMF) on Dental Implants Stability

More

BRAZILIAN DENTAL JOURNAL

Pulsed Electromagnetic Therapy: Literature Review and Current Update

More

Stay Tuned:

Long-term peri implantitis treatment, Peri implant Mocusitis treatment, Bone Grafting recovery with PEMF, etc.

Magdent *Lead Academic Partners*

UNG UNIVERSIDADE

McMaster University

RAMBAM Health Care Campus

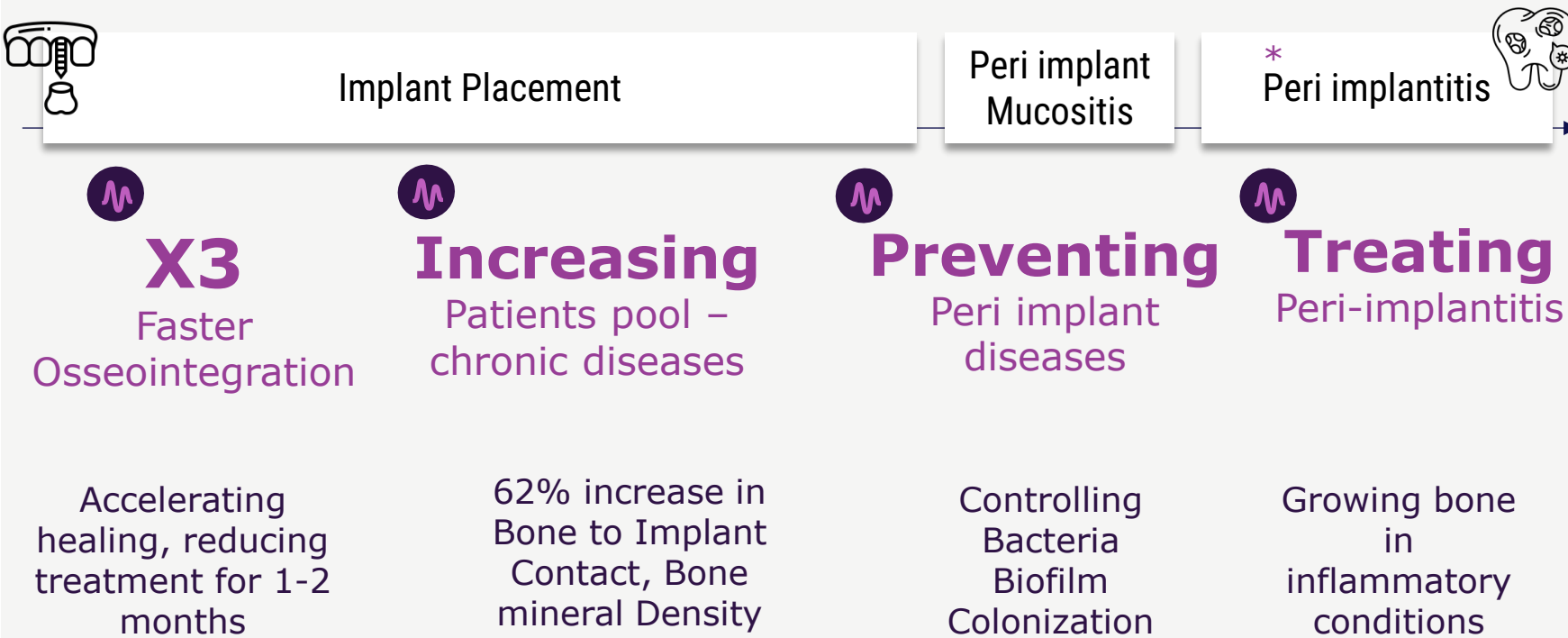FERRARIAE UNIVERSITAS · 13 91 · EX LABORE FRUCTUS

UFSC

Centro de Cirugía de Mínima Invasión
Minimally Invasive Surgery Centre
Jesús usón

Enhancing Implants Procedures, Preventing Complications

Use Magdent during implant placement or later to address implant complications

Additional Business Venues

Implant Placement	Peri implant Mucositis	* Peri implantitis

X3
Faster Osseointegration

Accelerating healing, reducing treatment for 1-2 months

Increasing
Patients pool – chronic diseases

62% increase in Bone to Implant Contact, Bone mineral Density

Preventing
Peri implant diseases

Controlling Bacteria Biofilm Colonization

Treating
Peri-implantitis

Growing bone in inflammatory conditions

Bone Grafting

Enhancing bone grafting formation, reducing integration time

LifeNet Health®
Saving Lives. Restoring Health. Giving Hope.

straumann

Geistlich

Laser Treatment

Laser companies collaborations for treatment of Peri Implantitis

The use of PEMF in the oral cavity modulate the microbiome and help to fix peri-implant problems not only at a late stage, treating peri-implantitis but also at early stages, avoiding mucositis or even infections after implant placement in subjects with a history of periodontitis

Magdent

Increase Revenues & Patient's Satisfaction

Dentists / DSO	Patients	Dental Implant Companies	Insurance Companies
Up to $1M per year	A few thousands $K	Millions of Dollars	Millions of Dollars

Increase Patients Pool	**Success with Complicated Cases**	**Savings on R&D**	**Reducing Payments**
Achieving **higher success** with **complex cases** like heavy smokers, diabetes and oncology patients	Dentists will not refuse to place implants even if patients suffers from poor bone quality	Magdent's proven technology is offered at no cost for implant companies	A reduction in failure risks will result in a reduction in claims payments

Increase Revenues	**Minimum Additional Cost**	**Door Opener**	
charge an extra fee – up to $300 + Increase available chair time	Less than 10% of the total implant placement procedure + Less complications in the future	Upscale sales and a door opener for other products	

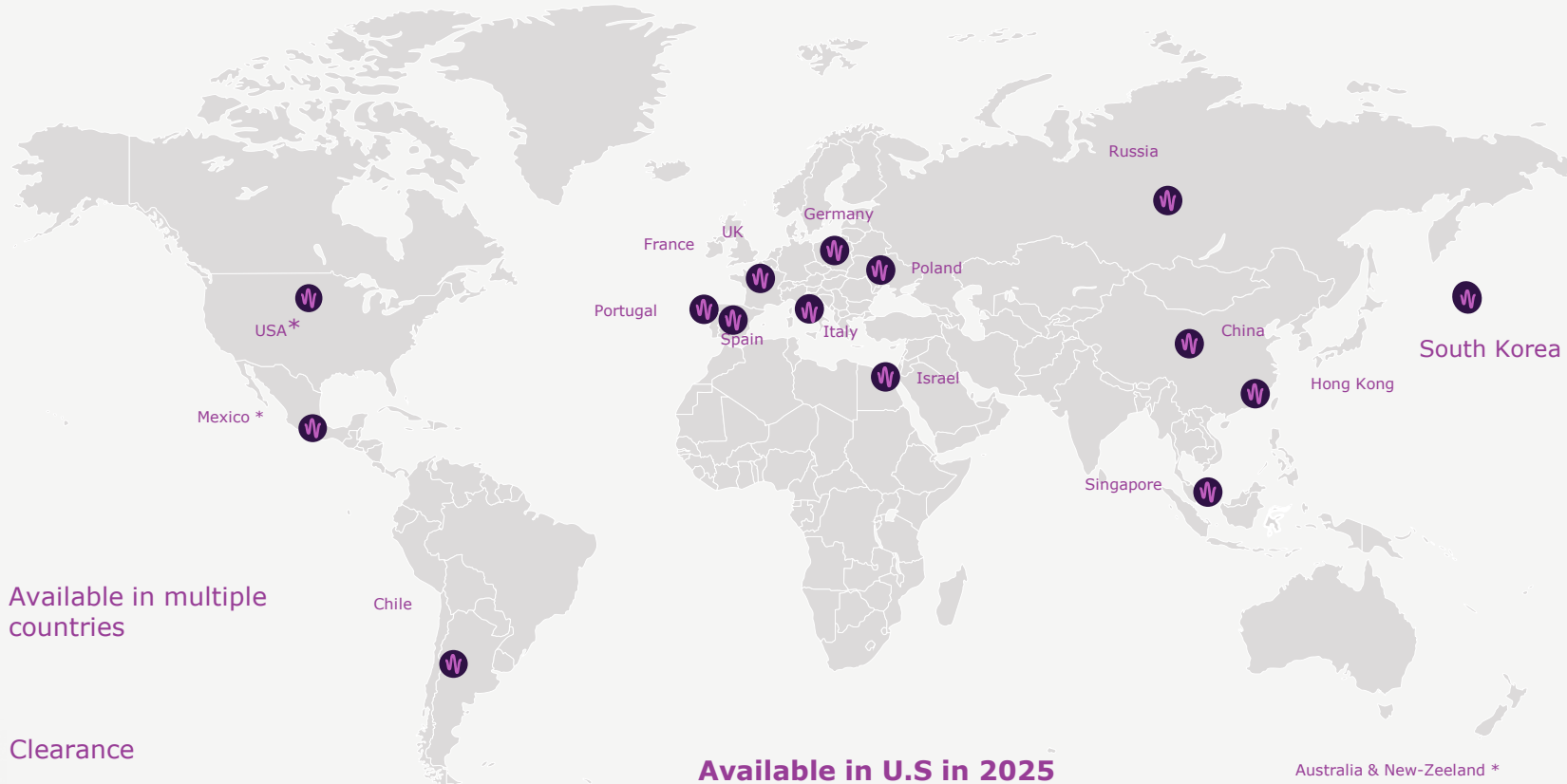| **ROI & Minimal Investment**	**Faster Treatment**	**Tier-one Innovation**	
Faster Monetization Offering **cutting-edge technology** with minimum capital expenses Positive ROI from day 1	Complete implant treatment after 1 or 2 months, instead of 3-6 months	Offers a disruptive innovation while not competing with their products	

Magdent

Current Distributions & GTM – Growth Stage

We solve implant companies their R&D needs, and increase dental clinics income with new treatments

Dental Implants Companies

Dental Clinic Chains

USA *
Mexico *
Chile
France
UK
Germany
Poland
Portugal
Spain
Italy
Israel
Russia
China
Hong Kong
South Korea
Singapore

Available in multiple countries

CE Clearance

Available in U.S in 2025

Australia & New-Zeeland *

Magdent's Partners (Non-exhaustive!)

Geistlich

Sino Sciences LTD
Expand Your Vision

AUTHORIZED TÜV implant AUTHORIZED

AlphaBio TEC
Simplantology

AW GROUP

SWALLOW

Meisinger

XG | XGATE DENTAL

C-TECH IMPLANT

Visy
Implant specialist

Vía Ossea
Bases Sólidas

*
HEARTLAND DENTAL

plenum

Magdent

Clinical Recommendations

Enhanced Osteogenesis: Magdent's Pulsed Electromagnetic Field (PEMF) technology stimulates osteoblast activity, significantly enhancing bone formation—even under inflammatory conditions.

High-risk Patients - The MED is an effective solution for patients with diabetes, smokers, osteoporosis, or cancer, as it increases bone volume density.

Low Magnetic Current: The MED's hollow healing abutment contains electronic components that generate a low-level electromagnetic field, effectively stimulating bone around the implant's surface (up to 2 mm), particularly within the top 7 mm of the implant and soft tissue.

Same Day Treatment: The MED is suitable for use exclusively in one-stage surgery cases.

Temporary Patrial Denture: Utilizing the MED reduces the need for prolonged temporary rehabilitation, improving overall success rates during recovery.

Identical Standard Protocol
•Position the implant at the bone crest level.
•Tighten the MED gently by hand until it can no longer be turned. Avoid over-tightening.
•Not recommended for immediate loading.
•Keep the MED in place during rehabilitation to promote healthy gum tissue.
•Do not cover the MED with gingival tissue.
•Ensure no occlusal interference with opposing teeth .

Check Out Magdent's Clinical Cases
https://magdentmed.com/clinical-cases/

Magdent

Instructions for Use

Step 1

When the MED is placed in the Activator, a Red light will illuminate, signaling it is ready to be activated.

Step 2

After pressing the red button, the activation button will beep and blink four times in Blue, indicating the MED is ready for use for 30 consecutive days.

Step 3

The Magdent MED device can be inserted into the implant using our 1.25 hex driver.

Compatibility List

MED Name Number	Implant brand	System/model	Connection2	Platform Type	Implant Diameter
MED257	AB Dental	I Types systems	Internal Hex Connection	Narrow Platform	3.75
MED387	AB Dental	I Types systems	Internal Hex Connection	Wide Platform	4.5
MED257	ACE	Infinity	Internal Hex Connection	Standard Platform	3.7 /4.1
MED387	ACE	Infinity	Internal Hex Connection	Wide Platform	4.7 / 5.1
MED271	ACE	Tri-Cam (like Nobel)	Conical Connection	Narrow Platform	3.5
MED295	ACE	Tri-Cam (like Nobel)	Conical Connection	Conical Connection	4.3
MED301	ACE	Tri-Cam (like Nobel)	Conical Connection	Conical Connection	5
MED257	Adin	Touareg	Internal Hex Connection		3.5 / 3.75 / 4.2 / 5
MED257	Adin	Swell	Internal Hex Connection		3.5 / 3.75 / 4.2 /5
MED356	Adin	Touareg close fit	Conical Connection	Wide Platform	4.3 / 5
MED257	AlfaGate	AlfaGate Bioactive	Internal Hex Connection	Standard Platform	3.3 / 3.75 / 4.2 / 4.7 / 5.2
MED257	AlfaGate	AlfaGate Bioactive	Internal Hex Connection	Standard Platform	6
MED257	Alpha Bio	SPI,DFI,ATID	Internal Hex Connection		3.3 / 3.75 / 4.2 / 5
MED257	Alpha Bio	ICE	Internal Hex Connection	Narrow Platform	3.7
MED257	Alpha Bio	ICE	Internal Hex Connection		3.75 / 4.2 / 4.6 / 5.3
MED257	Alpha Dent	Bio	Internal Hex Connection		3.75 / 4.2 / 5
MED257	Alpha Dent	Classic	Internal Hex Connection		3.75 / 4.2 / 5
MED257	Alpha Dent	Active	Internal Hex Connection		3.75 / 4.2 / 5
MED257	Alpha Dent	Conus	Internal Hex Connection		3.75 / 4.2 / 5
MED257	ARDS	CIT	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5
MED257	ARDS	Smart	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5
MED257	ARDS	Premium	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5
MED332	Astra	OsseoSpeed	Conical Connection	Wide Platform	4.5 / 5
MED257	Avinent	Ocean	Internal Hex Connection		3.5 / 4
MED257	Avinent	Coral	Internal Hex Connection		3.5 / 4

Compatibility List

MED Name Number	Implant brand	System/model	Connection2	Platform Type	Implant Diameter
MED257	BioHorizons	Tapered Internal plus	Internal Hex Connection		3.5
MED387	BioHorizons	Tapered Internal plus	Internal Hex Connection		4.5
MED257	Bioner	Hikelt	Internal Hex Connection	Regular Platform	3.8
MED387	Bioner	Hikelt	Internal Hex Connection	Wide Platform	4.7
MED257	Biotec	SPR	Internal Hex Connection	Standard Platform	3.3 / 3.75 / 4.2 / 5 / 6
MED257	Biotec	SPTT	Internal Hex Connection	Standard Platform	4.2 / 5 / 6
MED257	Biotec	CIM	Internal Hex Connection	Standard Platform	3.3 / 3.75 / 4.2 / 5 / 6
MED271	Blue Sky Bio	Tri-Lobe (like Nobel)	Tri lobe	Narrow Platform	3.5
MED295	Blue Sky Bio	Tri-Lobe (like Nobel)	Tri lobe	Regular Platform	4.3
MED301	Blue Sky Bio	Tri-Lobe (like Nobel)	Tri lobe	Wide Platform	5
MED332	Blue Sky Bio	Conus	Conical Connection	Wide Platform	4.5 / 5
MED642	C-Tech	Esthetic Line	Conical Connection	Standard Platform	3.8 / 4.3 / 5.1 / 6
MED643	C-Tech	Narrow Line	Conical Connection	Narrow Platform	3.1
MED166	Camlog	Screw-Line	Camlog Connection-3 slots		5
MED165	Camlog	Screw Line	Camlog Connection-3 slots		3.8
MED164	Camlog	Screw Line	Camlog Connection-3 slots		4.3
MED257	Cortex	Dynamic	Internal Hex Connection	Standard Platform	3.8 / 4.2 / 5
MED257	Cortex	Classix	Internal Hex Connection	Standard Platform	3.8 / 4.2 / 5
MED257	Cortex	Saturn	Internal Hex Connection	Standard Platform	3.8 / 4.2 / 5
MED288	Dentium	Superline	Internal Hex Connection	All platforms	3.6 / 4.0 / 4.5 / 5 / 6 / 7
MED257	Glidewell	Inclusive	Internal Hex Connection	Standard Platform	3.3 / 3.7 / 4.1
MED387	Glidewell	Inclusive	Internal Hex Connection	Regular Platform	4.5
MED318	Hiossen	ET III SA/BA, ET II SA	Conical Connection	RP H(2.1)	3.5
MED325	Hiossen	ET III SA/BA, ET II SA	Conical Connection	WP H(2.5)	4 / 4.5 / 5
MED257	Implanet	Neo	Internal Hex Connection	Standard Platform	3.5 / 3.75 / 4.2 / 5 / 6
MED264	Implant Direct	InterActive	Conical Connection	Conical Connection	4.3 / 5
MED288	Implant Direct	Tri-Lobe (like Nobel)	Tri Lobe	Regular Platform	4
MED271	Implant Direct	Replant / Replus / ReActive	Tri Lobe	Narrow Platform	3.5
MED295	Implant Direct	Replant / Replus / ReActive	Tri Lobe	Regular Platform	4.3

Compatibility List

MED Name Number	Implant brand	System/model	Connection2	Platform Type	Implant Diameter
MED257	Implant Direct	Legacy 1 / 2 / 3 / 4	Internal Hex Connection	Standard Platform	3.7 / 4.2
MED387	Implant Direct	Legacy 1 / 2 / 3 / 4	Internal Hex Connection	Standard Platform	4.7 / 5.2
MED257	J Dental Care	JD Evolution	Internal Hex Connection	Standard Platform	3.7 / 4.3 / 5 / 6
MED257	J Dental Care	Plus	Internal Hex Connection	Standard Platform	3.7 / 4.3 / 5 / 6
MED271	Kyocera	Finesia	Internal Hex Connection	Narrow Platform	3.5
MED575	Megagen	AnyRidge	Internal Hex Connection	Regular Platform	3.5 / 4 / 4.5 / 5 / 5.5 / 6
MED363	Meisinger	Tissue Level	Internal Hex Connection	Regular Platform	3.3, 3.75, 4.1, 4.8
MED363	Meisinger	Tissue Level	Internal Hex Connection	Wide Platform	4.8
MED257	MIS	Seven	Internal Hex Connection	Standard Platform	3.75 / 4.2
MED349	MIS	Seven	Internal Hex Connection	Wide Platform	5
MED257	MIS	M4	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5
MED394	MIS	C1	Conical Connection	Standard Platform	3.75 / 4.2
MED400	MIS	C1	Conical Connection	Wide Platform	5
MED257	MSDI	Alef System	Internal Hex Connection	Standard Platform	3.5, 3.75, 4.2, 5, 6
MED264	Nobel	NobelActive TiUltra	Regular Platform	Regular Platform	4.3 / 5
MED264	Nobel	NobelParallel TiUltra	Conical Connection	Conical Connection	4.3 / 5
MED264	Nobel	NobelActive	Regular Platform	Regular Platform	4.3 / 5
MED271	Nobel	Replace Select	Tapered	Narrow Platform	3.5
MED295	Nobel	Replace Select	Conical Connection	Conical Connection	4.3
MED301	Nobel	Replace Select	Conical Connection	Conical Connection	5
MED301	Nobel	Replace Select	Conical Connection	Regular Platform	5
MED295	Nobel	Replace Select	Tapered	Regular Platform	4.3
MED264	Nobel	NobelParallel CC	Conical Connection	Wide Platform	5
MED271	Nobel	NobelReplace CC	Tri lobe	Narrow Platform	3.5
MED288	Nobel	NobelReplace CC	Tri lobe	Regular Platform	4
MED295	Nobel	NobelReplace CC	Tri lobe	Regular Platform	4.3
MED301	Nobel	NobelReplace CC	Tri lobe	Wide Platform	5

Compatibility List

MED Name Number	Implant brand	System/model	Connection2	Platform Type	Implant Diameter
MED257	Noris Medical	Onyx	Internal Hex Connection	Standard Platform	3.3 / 3.75 / 4.2 / 5 / 6
MED257	Noris Medical	Tuff Pro	Internal Hex Connection	Standard Platform	3.3 / 3.75 / 4.2 / 5 / 6
MED257	Noris Medical	Tuff TT	Internal Hex Connection	Standard Platform	4.2 / 5 / 6
MED257	Noris Medical	Tuff	Internal Hex Connection	Standard Platform	3.3 / 3.75 / 4.2 / 5 / 6
MED325	Osstem	TS III SA	Internal Hex Connection	Regular Platform	4 / 4.5 / 5
MED325	Osstem	TS III SA	Internal Hex Connection	Ultra Wide Platform	6 / 7
MED257	Paltop	Advanced Classic	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5 / 6
MED257	Paltop	Advanced +	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5 / 6
MED257	Paltop	Dynamic	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5 / 6
MED257	Paltop	DIVA	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5
MED257	SGS Dental	P1	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5 / 6
MED257	SGS Dental	P7	Internal Hex Connection	Standard Platform	3.75 / 4.2 / 5 / 6
MED363	Southern Implants	IT - Cylindrical	IT4.8, IT6.5		3.3, 4.1, 4.9
MED363	Southern Implants	IT - Tapered	IT4.8, IT6.5		4.0, 5.0, 6.0
MED271	Southern Implants	Tri-Nex - Cylindrical	TRI - 35		3.5
MED271	Southern Implants	Tri-Nex - Tapered	TRI - 35		3.5
MED295	Southern Implants	Tri-Nex - Cylindrical	TRI - 43, TRI - 50		4.3
MED301	Southern Implants	Tri-Nex - Cylindrical	TRI - 43, TRI - 51		5
MED295	Southern Implants	Tri-Nex - Tapered	TRI - 43, TRI - 50, TRI - 60		4.3
MED301	Southern Implants	Tri-Nex - Tapered	TRI - 43, TRI - 50, TRI - 61		5
MED257	Southern Implants	Internal Hex - Tapered	IM-M		3.75, 4.20, 5.00
MED257	Southern Implants	Provata - Tapered	PRO4, PRO5		4.0, 5.0
MED332	Southern Implants	Deep Conical	DC4		3.5, 4.0
MED332	Southern Implants	Deep Conical	DC3		3
MED257	Southern Implants	Provata - Tapered	PRO3		3.3
MED271	Southern Implants	TriNex	Tri lobe		3.5
MED295	Southern Implants	TriNex	Tri lobe		4.3
MED301	Southern Implants	TriNex	Tri lobe		5

Compatibility List

MED Name Number	Implant brand	System/model	Connection2	Platform Type	Implant Diameter
MED257	Sterngold	PUR	Internal Hex Connection	Narrow Platform	3.5 / 4.3
MED387	Sterngold	PUR	Internal Hex Connection	Standard Platform	5.0 / 6.0
MED264	Sterngold	TRU	Conical Connection	Narrow Platform	3.5 / 4.3 / 5 / 6
MED363	Straumann	SLActive	Standard Implant	Standard Platform	4.8
MED363	Straumann	Tissue Level	Standard Implant	Standard Implant	3.3 / 4.1
MED257	Tov Implants	Maer	Internal Hex Connection	Standard Platform	3.5 / 3.75 / 4.2 / 5 / 6
MED257	Tov Implants	Ragil	Internal Hex Connection	Standard Platform	3.5 / 3.75 / 4.2 / 5 / 6
MED257	TRI Dental Impants	TRI-Vent (Performance)	Internal Hex Connection	Standard Platform	3.75 / 4.1 / 4.7
MED257	XGATE	Pure & Porous	Internal Hex Connection	Standard Platform	3.3 / 3.75 / 4.2 / 5
MED257	Zimmer	TSV	Internal Hex Connection	Standard Platform	3.5 / 4.1 / 4.3 / 5.1
MED417	Zimmer	MT	Conical Connection	Conical Connection	4.1 / 5.1

Magdent's engineers have the capability to configure additional models of the Miniaturized Electromagnetic field Device (MED) to ensure compatibility with additional implant systems. If you're using another implant system please reach out to Service@magdentmed.com to explore this opportunity.

Meet The Team

Prof. Shlomo Barak
D.M.D

Founder &
Chairman of the Board
Oral & Maxillofacial surgeon.
Serial entrepreneur

Adv. Benny Barak
LLB., M.B.A

Chief Executive Officer
13 years of int. business exp,
Accenture Consultant

Elinor Zohar

Director of R&D
7 Years in Medical Device R&D

Ran Tuttnauer

Board Member
Serial Entrepreneur in medical
device, Angel investor

Dr. Oleg Dolkart
PhD Medical Sc.

Chief Medical Officer
25 years as lead researcher

**Dr. Moshe Neuman,
DMD**

Founder & Technology Director,
Periodontist, diplomate of the
American Board of
Periodontology

Arie Schlein
Engineer

Director of Manufacturing
20 Years in medical and
engineering positions

Armando Carciente
MBA

Director of Business
Development
15 years of experience in medical
and dental senior positions

Advisory board

Prof. Jamil Shibli PhD

Vice Dean of Dental Research, University of
Guarulhos. Reviewer of the journals: International
Journal of Oral and Maxillofacial Implants, COIR,
Journal of Clinical Periodontology, Journal of
Periodontology and Clinical Implant Dentistry.

Dr. Alberto Monje, DDS

A world leader in Peri implantitis research with
over 100 publications, Head in Periodontics,
CICOM, Badajoz, Adjunct Professor, UIC,
Barcelona, Adjunct Professor, UM, Ann Arbor
Visiting Faculty, ZMK, Bern

Michael Keeter

Ex-Nobel BioCare - Director of Training &
Education of North America, 30 years of
experience in the dental and medical
sales industry
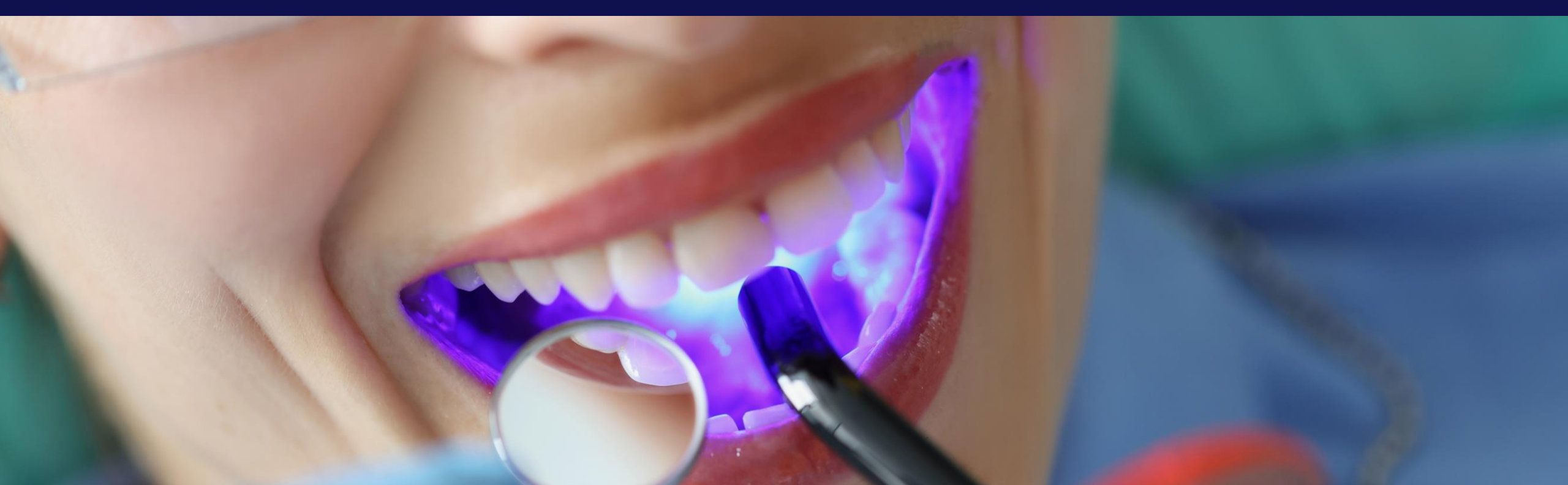
Magdent

Healing smiles through innovation!

For any support:
Service@magdentmed.com
+972-524-329-329