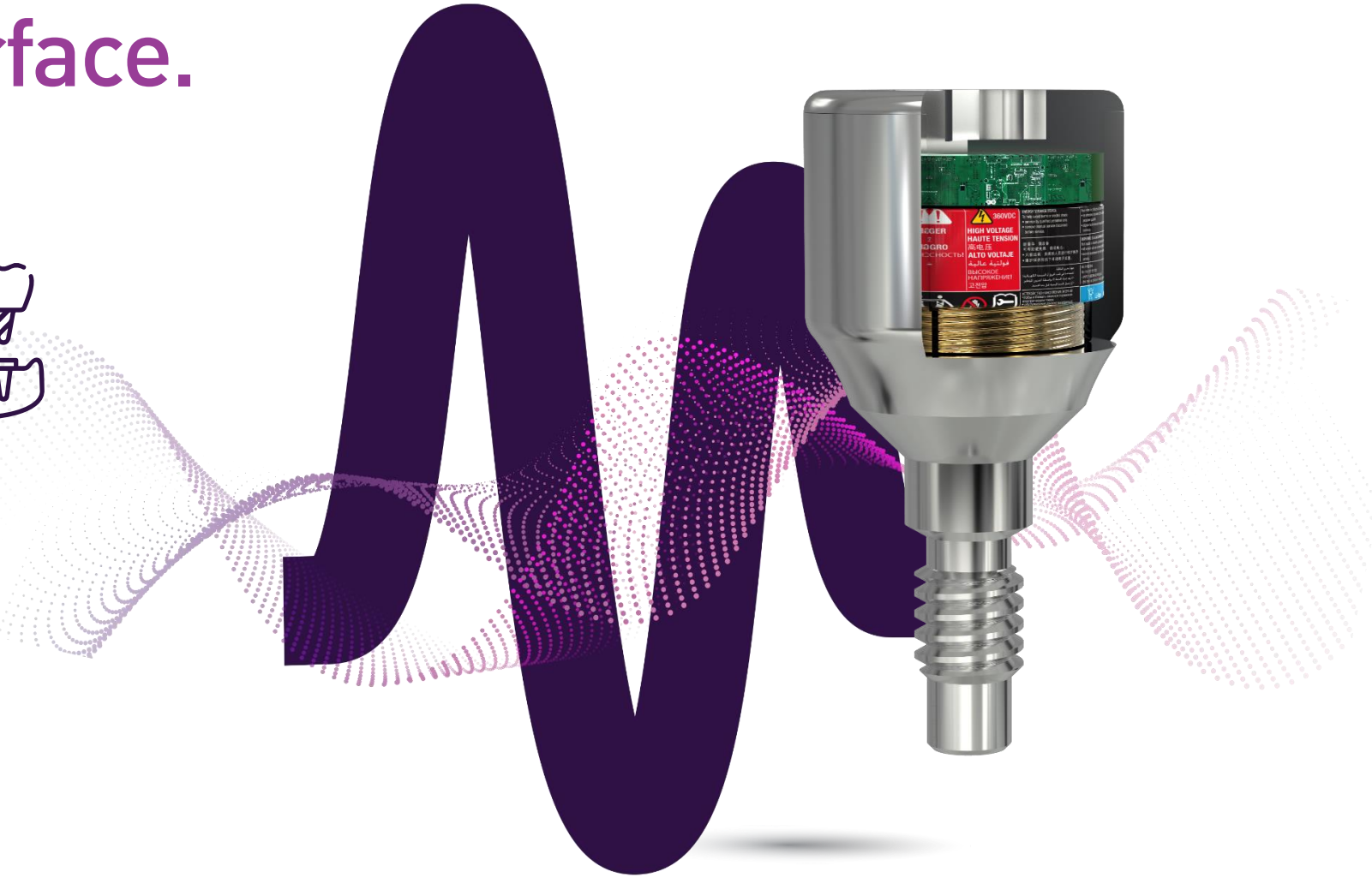


# Electromagnetic Healing. Go Beyond the Surface.



**Compatibility Deck**  
**Q4/2024**



# Bone Growth Stimulator

**Miniaturized Electromagnetic Device**<sup>®</sup>

**Similar design like healing abutments**

**Same protocol treatment**

**Same material**

**Compatibility with 80% of implants brands**

**Less than 10% of an implant placement procedure**



**The future of  
implantology is here**

# Core Technological Innovation

<https://magdentmed.com/clinical-research/>

1<sup>st</sup> 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  
20  
23  
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 Mucositis treatment, Bone Grafting recovery with PEMF, etc.

Magdent

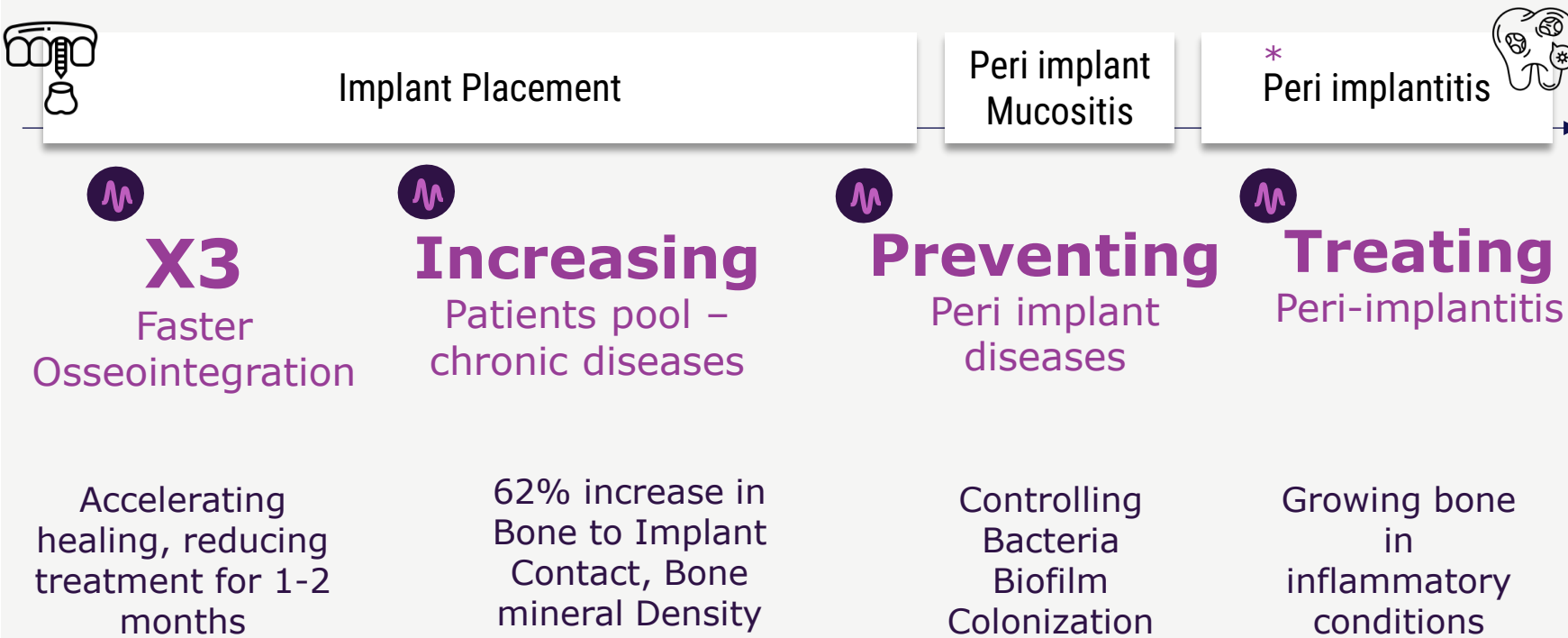
Lead  
Academic  
Partners



Centro de Cirurgia de Mínima Invasão  
Minimally Invasive Surgery Centre  
Jesus Usón

# Enhancing Implants Procedures, Preventing Complications

Use Magdent during implant placement or later to address implant complications



## Additional Business Venues



Bone Grafting

**straumann**

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

**Geistlich**

Laser companies collaborations for treatment of Peri Implantitis



Laser Treatment

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

# Increase Revenues & Patient's Satisfaction

**Dentists / DSO**



Up to \$1M per year

**Increase Patients Pool**

Achieving **higher success** with **complex cases** like heavy smokers, diabetes and oncology patients

**Increase Revenues**

charge an extra fee – up to \$300  
+ Increase available chair time

**ROI & Minimal Investment**

**Faster Monetization**

Offering **cutting-edge technology** with minimum capital expenses

Positive ROI from day 1

**Patients**



A few thousands \$K

**Success with Complicated Cases**

Dentists will not refuse to place implants even if patients suffers from poor bone quality

**Minimum Additional Cost**

Less than 10% of the total implant placement procedure  
+  
Less complications in the future

**Faster Treatment**

Complete implant treatment after 1 or 2 months, instead of 3-6 months

**Dental Implant Companies**



Millions of Dollars

**Savings on R&D**

Magdent's proven technology is offered at no cost for implant companies

**Door Opener**

Upscale sales and a door opener for other products

**Tier-one Innovation**

Offers a disruptive innovation while not competing with their products

**Insurance Companies**



Millions of Dollars

**Reducing Payments**

A reduction in failure risks will result in a reduction in claims payments

# Current Distributions & GTM – Growth Stage

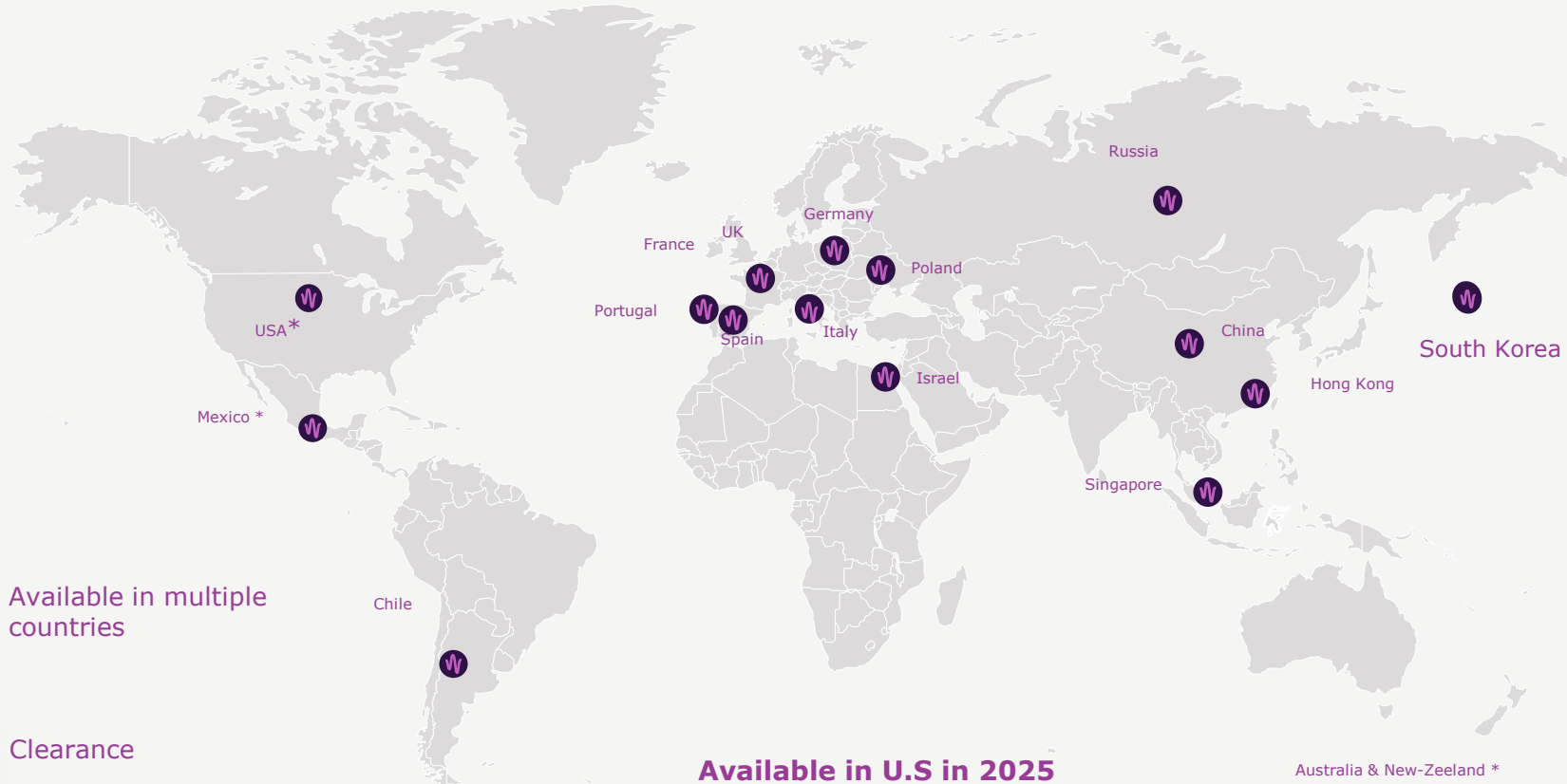
We solve implant companies their R&D needs, and increase dental clinics income with new treatments



Dental Implants Companies



Dental Clinic Chains



## Magdent's Partners (Non-exhaustive)






# Clinical Recommendation





 **Enhanced Osteogenesis:** Producing Pulsed Electro Magnetic Field (PEMF), which has a major effect on osteoblasts, resulting in bone formation even in inflammatory conditions, enhancing the osteogenesis process.

 **High-risk Patients** - Since the MED increases bone volume density, it is the only real solution for patients with diabetes, smokers, osteoporosis and cancer patients.

 **Low Magnetic Current:** The hollowed body of the healing abutment contains electronic components. The Pulsed Electro Magnetic Field generates low level current at the bone around the implant surface of up to 2 mm. It is most effective around the top 7 mm of the implant & soft tissue.

 **Same Day Treatment:** Use the MED only in case that One Stage Surgery can be performed.

 **Temporary Partial Denture:** Maximizing MED's procedure success and eliminating temporary rehabilitation leads to higher success rates than prolonged temporary rehabilitation

 **Identical Standard Protocol**

- MED should only be tightened gently by hand until it can no longer be screwed on. Don't damage the MED.
- Not suitable for immediate loading.
- Use the MED during the rehabilitation process to maintain the gums' health.
- Don't cover the MED under the gingiva.
- The implant must be positioned at the bone level (crestal).
- Make sure there's no occlusal interference with opposing teeth.

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

# 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



zimmer

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	<u>Straumann</u>	SLActive	Standard Implant	Standard Platform	4.8
MED363	<u>Straumann</u>	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](mailto: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



**Dr. Oleg Dolkart**  
PhD Medical Sc.

Chief Medical Officer  
25 years as lead researcher



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

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



**Dr. Moshe Neuman,**  
DMD

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



**Elinor Zohar**

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



**Arie Schlein**  
Engineer

Director of Manufacturing  
20 Years in medical and  
engineering positions



**Ran Tuttnauer**

Board Member  
Serial Entrepreneur in medical  
device, Angel investor



**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**

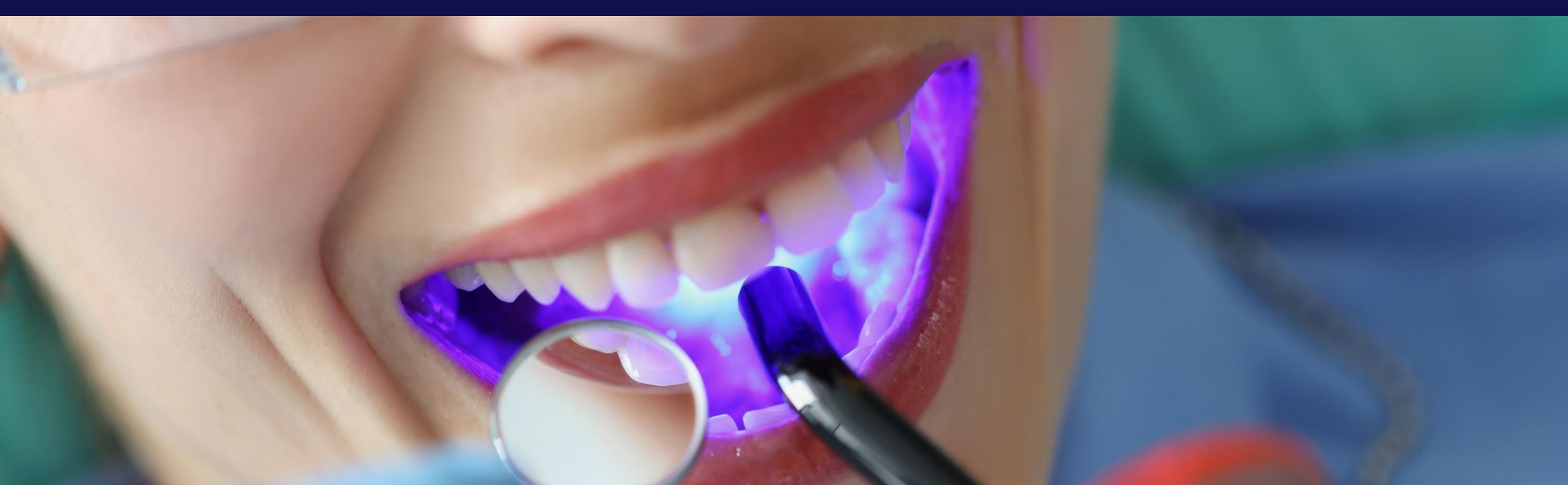
A world leader in Peri implantitis research with  
over 100 publications, Head in Periodontics,  
CICOM, Badajoz, Adjunct Professor, UIC,  
Barcelona, Adjunct Professor, UM, Ann Arbor  
Visiting Faculty, ZMK, Bern



### **Michael Keeter**

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*Healing smiles through innovation!*

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