



ETGAR

medical implant systems



www.etgar-implants.com



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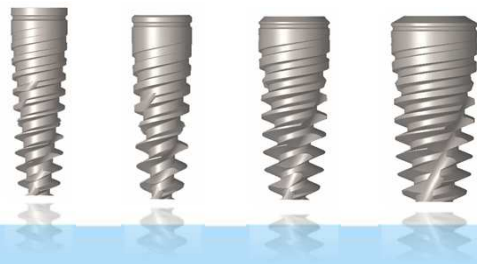
ABOUT US

- **Etgar Medical Implant Systems** is a division of Etgar Medical Instruments, a company founded in 1991 to provide precision machining services to medical device companies.
- Our design and manufacturing expertise is based on extensive know-how accumulated from years of working with the biggest names in the business.
- Our team of highly trained technicians and craftspeople and a manufacturing facility equipped with state of the art machinery both ensure excellence at every stage of the manufacturing process.



GENERAL INTRODUCTION

- Etgar Medical Implant Systems manufactures and markets an entire spectrum of dental implant products.
- Etgar offers an extensive range of implant systems, prosthetics, impression copings, tools and kits, all of which meet or surpass the medical standards requirements.
- The products are engineered to uncompromising levels of quality in design and manufacture.
- Unrivalled sales and support packages provide the dental surgeon with the most comprehensive services available.



UNIQUE EXPERTISE



- The company brings together a unique expertise, acquired from years of experience gained in the manufacture of specialized, technically complex, miniaturized, ultra-high precision components, and combines it with a contemporary dynamic environment . As a result, ETGAR medical implant systems offers a wide spectrum of sophisticated, yet cost-effective implant solutions.



EXPERT STAFF

- Our company's staff are dedicated to consistently pursue the most advanced solutions of implant technology, ensuring each and every range introduced exceeds all compliance mandates & standards, and at the same time, research and development programs underscore our continuing resolve to anticipate and meet all future international market demands.
- Etgar's staff comprises highly-trained technicians and craftspeople, particularly skilled in precision machining, ultra-fine grinding, tool-making and mechanical engineering.



CERTIFICATION

Compliance with International Quality Standards

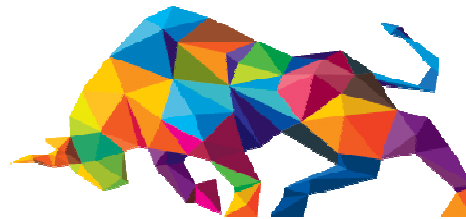
All of our products are manufactured and packaged to meet mandatory certifications for medical device production including **MDD 93/42EEC**, **ISO 9001:2008**, **13485:2003**.

Etgar's reputation depends on ensuring that every product that leaves our factory meets the most stringent quality assurance standards

ETGAR MEDICAL
Quality
IMPLANT SYSTEMS



**We built our reputation on
quality and as such it's built
to last!**



QUALITY ASSURANCE AND CONTROL

- Our quality control systems ensure the finest materials are processed, satisfying all medical attributes such as: bio-integration, versatility, durability, etc.
- Quality assurance is guaranteed by the company's Quality Control Department which is equipped with the latest Quality Control technology.
- Quality assurance is carried out at every stage of the manufacturing, including stringent after production inspection.



COMPETITIVE ADVANTAGES

- Based in Israel, a leading technological center for dental expertise and know-how.
- Proven clinical experience stemming from a close co-operation with top level dental specialists.
- Quality products manufactured to the highest manufacturing standards.
- Professional support solutions and packages.
- Large manufacturing capacity.

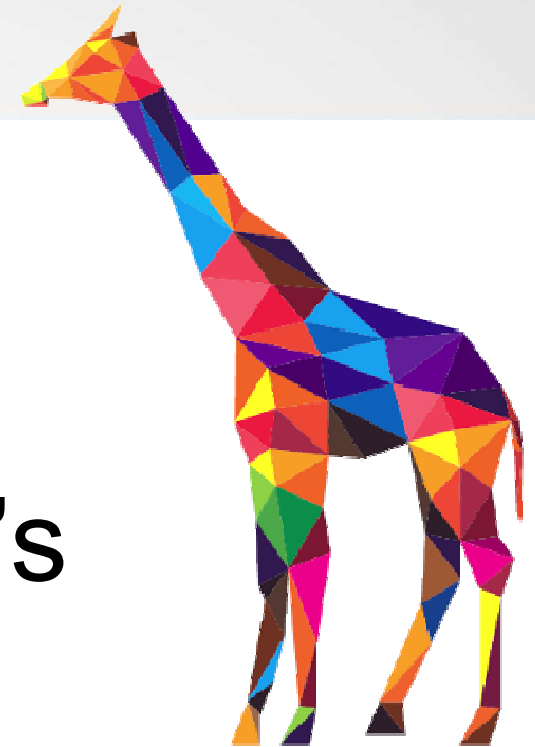


All Etgar products are engineered to uncompromising levels of quality in design and manufacture, and accompanied by unrivalled sales and support packages to provide the most comprehensive service available to the dental surgeon.





Today's name in tomorrow's
implant technology



IMPLANTS SYSTEMS



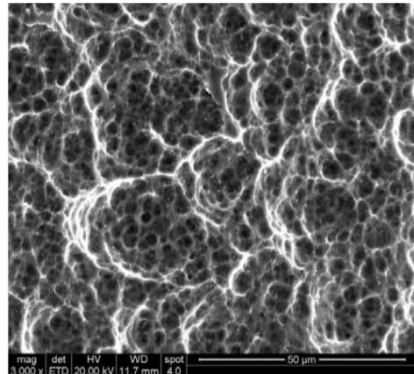
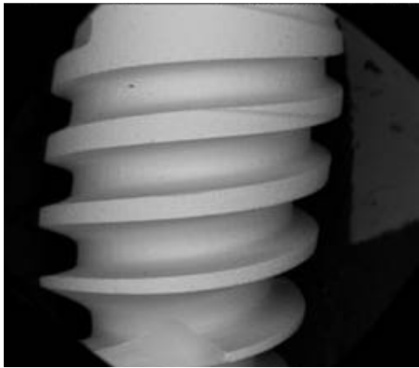
IMPLANT SYSTEMS

- Etgar Implants are made of the highest quality titanium alloy, Ti-6Al-4V ELI, all implants are biocompatible and highly resistant to corrosion.
- Our unique Comprehensive Surface Treatment (CST) process, specially developed sandblasting and acid etching techniques that provide maximum bonding & longevity, and leave the surface free of residues.



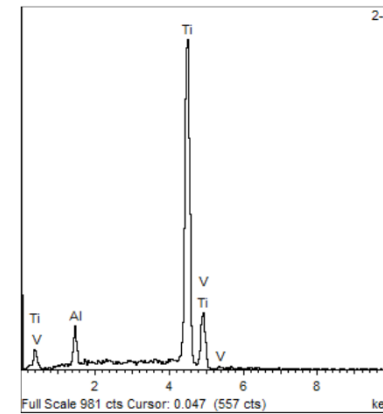
IMPLANT SYSTEMS

EDS-SEM Analysis for Surface Structure



Following Surface treatment (CST), the implant's surface is absolutely clean, free of all foreign particles.

Surface Chemistry



Chemical analysis at various stages shows the original Titanium alloy composition of the implant's surface with no contamination.



Max Implants

ADVANTAGES

Better load distribution

Less crestal resorption and decreased crestal stress

Bone condensing

Easy insertion

Perfect implant abutment connection

One platform suits all diameters



The **ESI Spiral implant**, achieves very high primary stability ensuring easy and stable implant insertion. It is ideal for immediate implantation and loading. It is specially suitable for bone types III and IV.

DESIGN FEATURES

Tapered body & tapered narrow core

Double thread design

Sand blasted and acid etched

Apical blades with straight apical border

Greater surface area due to rough surface threads reaching the coronal area

Wide and variable thread step

High degree of precision with the internal hex

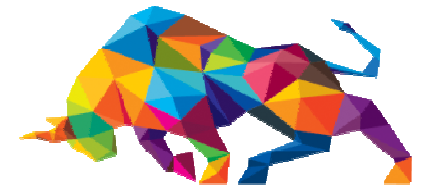


Max Implants

LENGTHS AND SIZES:

Ø mm	LENGTH mm				
	8	10	11.5	13	16
3.30	ESI-3.30-L8	ESI-3.30-L10	ESI-3.30-L11.5	ESI-3.30-L13	ESI-3.30-L16
3.75	ESI-3.75-L8	ESI-3.75-L10	ESI-3.75-L11.5	ESI-3.75-L13	ESI-3.75-L16
4.20	ESI-4.20-L8	ESI-4.20-L10	ESI-4.20-L11.5	ESI-4.20-L13	ESI-4.20-L16
5.00	ESI-5.00-L8	ESI-5.00-L10	ESI-5.00-L11.5	ESI-5.00-L13	ESI-5.00-L16
6.00	ESI-6.00-L8	ESI-6.00-L10	ESI-6.00-L11.5	ESI-6.00-L13	ESI-6.00-L16

Ordering example: ESI-4.20-L8



Logic Implants

ADVANTAGES

Greater surface area

Better load distribution

Less crestal resorption and decreased crestal stress

Bone condensing

Minimal pressure on hard bone

Perfect implant abutment connection

Simple restoration process



The **ECI Cylindrical implant** is a straight wall 2.5 mm internal hex for both two and single stage procedures. Because of the design the surface area is significantly larger resulting in increased contact between implant and bone.

DESIGN FEATURES

Straight body and straight core

Double thread design

Apical blades with straight apical border

Greater surface area due to rough surface threads reaching the coronal area

Wide and variable thread step

High degree of precision with the internal hex



Logic Implants

LENGTHS AND SIZES:

Ø mm	LENGTH mm					
	6	8	10	11.5	13	16
3.30	-	ECI-3.30-L8	ECI-3.30-L10	ECI-3.30-L11.5	ECI-3.30-L13	ECI-3.30-L16
3.75	ECI-3.75-L6	ECI-3.75-L8	ECI-3.75-L10	ECI-3.75-L11.5	ECI-3.75-L13	ECI-3.75-L16
4.20	ECI-4.20-L6	ECI-4.20-L8	ECI-4.20-L10	ECI-4.20-L11.5	ECI-4.20-L13	ECI-4.20-L16
5.00	ECI-5.00-L6	ECI-5.00-L8	ECI-5.00-L10	ECI-5.00-L11.5	ECI-5.00-L13	ECI-5.00-L16
6.00	ECI-6.00-L6	ECI-6.00-L8	ECI-6.00-L10	ECI-6.00-L11.5	ECI-6.00-L13	ECI-6.00-L16

Ordering example: ECI-4.20-L6



Mono Implants

ADVANTAGES

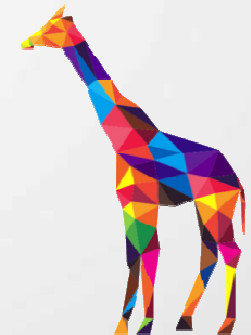
- Bio-compatible
- Excellent gingival tolerance
- Enables easy penetration to small diameter prepared sites
- Better restoration control
- Stable crestal bone level
- Easy insertion
- Self tapping



The **EH one piece implant and abutment** is available in 2.8mm, 3.3mm, 3.6mm and 4.2mm diameters. It is designed for use in narrow alveolar ridges and is recommended for maxillary lateral incisors and mandibular incisors.

DESIGN FEATURES

- Trans-gingival titanium oxide coating
- Tapered body and tapered core
- Single bone condensing thread design
- Can be place at the bone level or below
- Narrow rounded apex
- Perfect for immediate placement in all types of bone



Mono Implants

LENGTHS AND SIZES:

Ø mm	LENGTH mm			
	10	11.5	13	15
2.80	EH-2.80-L10	EH-2.80-L11.5	EH-2.80-L13	EH-2.80-L15
3.30	EH-3.30-L10	EH-3.30-L11.5	EH-3.30-L13	EH-3.30-L15
3.60	EH-3.60-L10	EH-3.60-L11.5	EH-3.60-L13	EH-3.60-L15
4.20	EH-4.20-L10	EH-4.20-L11.5	EH-4.20-L13	EH-4.20-L15

Ordering example: EH-3.30-L10



Implants

Five implant pack



PROSTHETICS



Abutments

ABUTMENTS FROM ADVANCED BIOMATERIALS

Choose high grade Titanium, or one of our advanced biomaterials that provides an excellent alternative. Both ways, Etgar's abutments enable us to meet your exact needs with reliability and superior strength.

Available in various angles for a variety of solutions:

Straight



Angulated 15°



Angulated 25°



Abutments

ZIRCONIA

Due to its biocompatibility, color and its mechanical properties, **Zirconia** is a well suitable replacement for metal abutment.

ADVANTAGES

- Final appearance is esthetically pleasing
- Low bacterial adhesion helps avoid periodontal problems
- Extraordinary long-term strength and durability
- Safeguards against corrosion
- No allergic reactions
- Acid resistant
- Biocompatible



TITANIUM

Titanium Grade 23 is used in the fabrication of dental superstructures and implants.

ADVANTAGES

- Low specific weight
- High strength to weight ratio
- High modulus of elasticity
- Very high corrosion resistance
- Excellent general biocompatibility



Abutments

PEEK POLYMER

Peek polymer is dedicated to encouraging innovation in the medical device industry by offering advanced bio compatible materials and added value solutions.

Non-metallic bio materials featuring a proven history of clinical results and regulatory approval.

ADVANTAGES

Engineered for safety and bio-stability

Proven history of clinical results

Excellent general biocompatibility

High performance

Superior imaging properties



BURN OUT

Burn Out is a homogenous and bending resistant thermoplastic material used in the casting process.

The wax casting process is widely used as it offers asymmetrical casting with very fine details to be manufactured relatively inexpensively.

ADVANTAGES

Homogenous and bend-resistant

Enables inexpensive manufacturing



Healing Caps

ADVANTAGES

- Made from Titanium Grade Five
- Low specific weight
- High strength to weight ratio
- High modulus of elasticity
- Very high corrosion resistance
- Excellent general biocompatibility



Polished Titanium Surface Healing Caps

Enable excellent tissue acceptance when used to replace the cover screws after phase two, or with the initial one-stage implant replacement. They are also ideal for immediate loading.

MATERIAL OPTIONS:

- Titanium Alloy
- Zirconia

AVAILABLE SIZES:

- Standard
- Narrow
- Wide



Ball Attachments

ADVANTAGES

Simple overdentures fixation

Various heights

Ranges of hardness

Can be fixated in office or in the lab

Various kits are available



BALL ATTACHMENTS

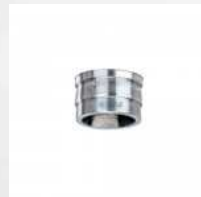
To ensure a perfect fit when connecting the implant to the prosthetic, silicon in various ranges of hardness is used.

Made of Titanium Alloy Ti-6Al-4V ELI, are ideal for implants used with overdentures.

MATERIAL OPTIONS:

Titanium alloy Ti4V6Al-ELI

Plastic Caps (standard, metal, soft, and hard)



Impression Copings

ADVANTAGES

- Open tray transfer pick-up
- Closed tray transfer pick-up
- Various kits are available



IMPRESSION COPINGS

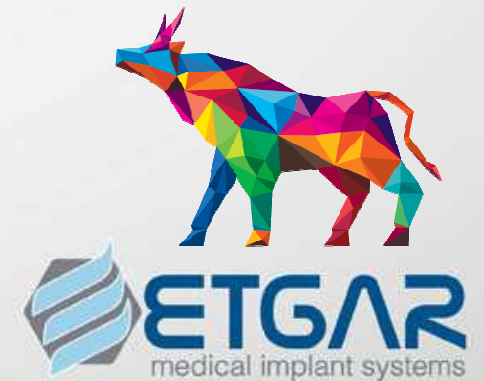
Transfers and their screws are intended to provide means to transfer the information of the implants location and orientation in the jaw via impression to cast model.

To use: Prepare an individual acrylic open lab tray, connect an impression coping to each implant. Using a mono phase impression material, Impregum for example and an acrylic such as Duralay to anchor each coping to the tray. Connect the analogs and establish a stone model.

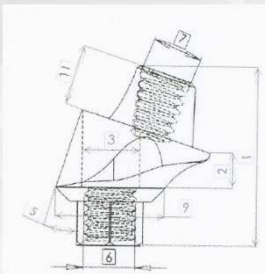
MATERIAL & DESIGN FEATURES










Esthetic connections (components, screws, analogs)

Stainless steel



Multi Units



		
EI 4001 Straight Multi Unit Adaptor H-1 mm	EI 4002 Straight Multi Unit Adaptor H-2 mm	EI 4003 Straight Multi Unit Adaptor H-3 mm
		
EI 4181 Straight Multi Unit Adaptor 18 H-1 mm	EI 4182 Straight Multi Unit Adaptor 18 H-2 mm	EI 4183 Straight Multi Unit Adaptor 18 H-3 mm
		
EI 4301 Straight Multi Unit Adaptor 30 H-1 mm	EI 4302 Straight Multi Unit Adaptor 30 H-2 mm	EI 4303 Straight Multi Unit Adaptor 30 H-3 mm

MULTI UNITS

Screw retained restoration for dental implants.

MATERIAL & DESIGN FEATURES

Titanium










Stainless steel

Plastic

All-in-4 / All-in-6 method

Accessories (screws, transfers, healing caps, etc.).

MULTI UNIT ACCESSORIES

		
EI 4988 Plastic Sleeve Screw included	EI 4999 Titanium Sleeve Screw included	EI 4498 Titanium Short Sleeve Screw included
		
EI 4775 Open Tray Transfer Screw included	EI 4770 Closed Tray Transfer	EI 4765 Plastic for Closed Tray Transfer
		
EI 4500 Healing Cap for Multi Unit	EI 4812 Analogy for Multi Unit	EI 4333 3D Scanning Device



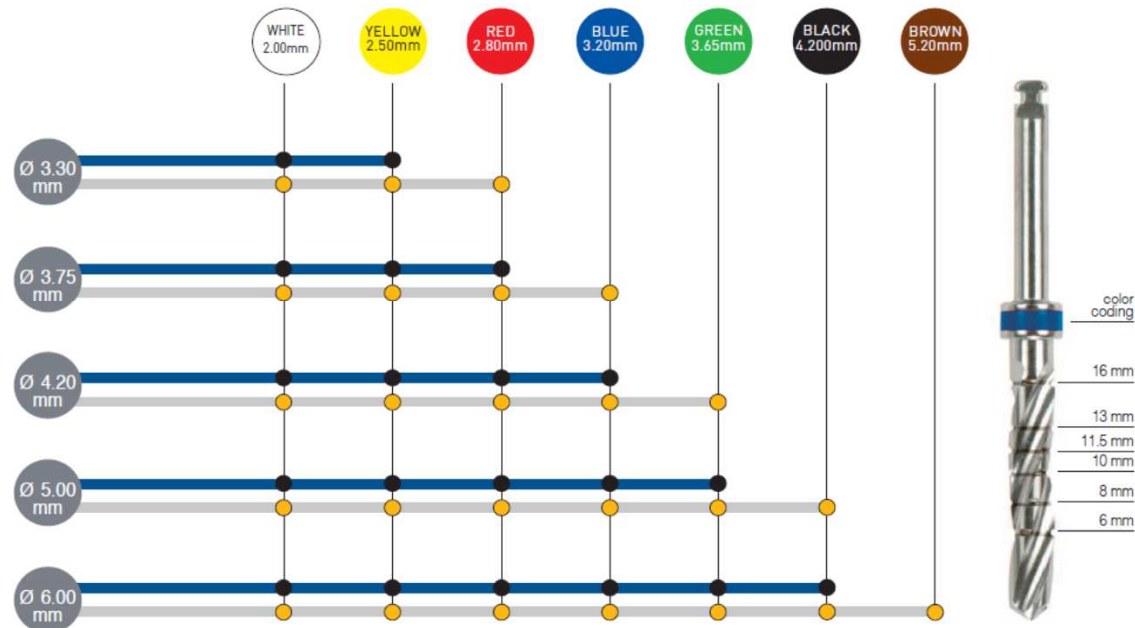
SURGICAL TOOLS & KITS



Surgical Tools & Kits

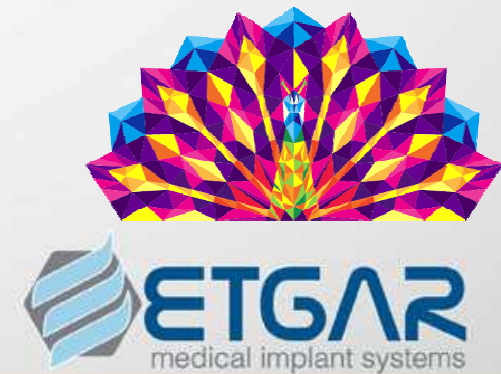
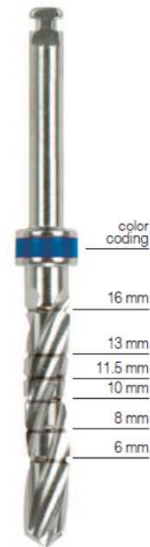
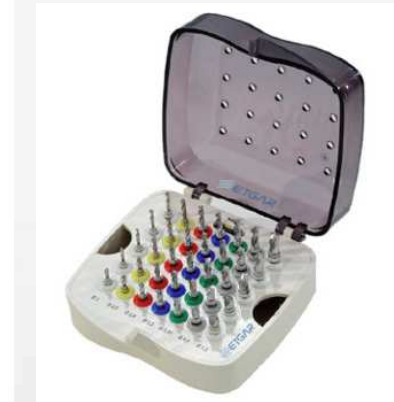
SURGICAL PROCEDURES

Implant Procedures



- The drill may be used throughout the implant's entire length, where the cortical bone is soft.
- The drill may be used as a countersink in situations where the cortical bone is hard.

The surgical procedures recommended by Etgar Implant Systems cannot replace the judgment and experience of the dental surgeon.



Surgical Kit

ESK 0505

Drill Speed (RPM)	1200-1500	900-1200	500-700	400-700	200-400
Diameter	ø 2.00	ø 2.80	ø 3.20	ø 3.75-ø 4.20	

ø 3.75 mm










Drill Speed (RPM)	1200-1500	900-1200	500-700	400-700	400-700	200-400
Diameter	ø 2.00	ø 2.80	ø 3.20	ø 3.65	ø 3.75-ø 4.20	

ø 4.20 mm



Etgar Surgical Kit Content:

	ET 0008	Torque Ratchet
	ET 0009	Depth Probe
	ET 0125	Motor Mount Hex 1.25 L=22 mm
	ET 2422	Motor Mount Hex 2.42 L=20 mm
	ET 2428	Motor Mount Hex 2.42 L=28 mm
	EDE TDE	Drill Extender for External Irrigation
	ET 1207	Hex Driver L=7 mm ø 1.25 mm
	ET 1215	Hex Driver L=15 mm ø 1.25 mm
	ET 2407	Hex Driver L=7 mm ø 2.42 mm
	ET 2415	Hex Driver L=15 mm ø 2.42 mm
	EDH 0212	key for mono
	ET 0102	Guide Pin 10 mm
	ET 0132	Guide Pin 13 mm

	EDS 5019	Marking Drill x ø 1.9 mm
	EDPE 5020	Drill with External Irrigation Ø 2.0 mm
	EDE 5028	Drill with External Irrigation Ø 2.8 mm
	EDE 5032	Drill with External Irrigation Ø 3.2 mm
	EDE 50365	Drill with External Irrigation Ø 3.65 mm
	EDE 5042	Drill with External Irrigation Ø 4.2 mm
	EDE 5048	Drill with External Irrigation Ø 5.2 mm
	EDE 3842	Countersink ø 3.8 x 4.2 mm
	EDE 5060	Countersink ø 5.0 x 6.0 mm

- The device must be sterilized before use by autoclave, at a temperature of 132°C (270°F) during 5 minutes.
- Procedure recommended by ETGAR cannot replace the judgment and the experience of the surgeon.

TRAINING & CONFERENCES



ESTABLISHING TRAINING CENTERS

- An Etgar training center opened in Tbilisi, Georgia.
- A permanent setting for ongoing training in various topics all of which involve dental aspects and clinic management.
- The training center will function as a center of knowledge and expertise for all clinics we serve with an aim to reach larger circles of clinics beyond our present network.
- Our dentists will arrive for periodical training to train the Center's staff as well as lecture to the guest dentists in the seminars.
- The center will cover all dental aspects, courses on clinic management (organization, personnel and finance) as well as sales and marketing.



TRAINING CYCLE 2015, CHINA



Guangzhou



Beijing



Shanghai



IDS 2015, GERMANY

Etgar is a prominent presenter at leading dental conferences and fairs world wide



DENTAL WORLD, HUNGARY



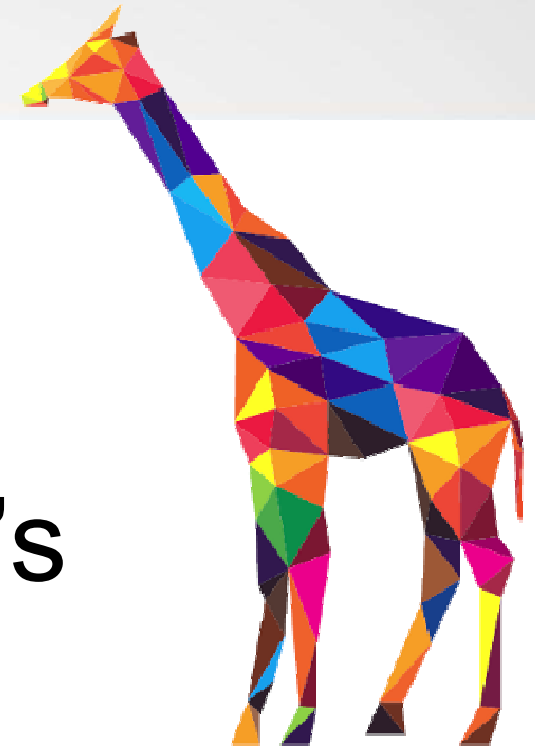
Thank you for visiting us!

MAY 28-30, 2015 | DENTA | Booth 28b, HALL 1





Today's name in tomorrow's
implant technology



THANK YOU

