

The logo graphic features a stylized spider web or network structure. It consists of a central blue node connected to three grey nodes, which are further connected to other grey nodes. The entire structure is overlaid on a thick, wavy orange line that curves across the top of the page.

SPIDER[®] IMPLANT[®]

Reshaping the future
of dental implants

1. Our business goals

Founded in 2013, Spiderimplant® is a high-tech startup that develops and manages patents in the bio-medical field, especially across surgical branches. Spiderimplant proprietary innovations arise from the pursuit of the company's mission: to improve traditional implant approaches by enhancing operational performance and moving towards conceptual essentiality. We hereby intend to present you our latest innovative solutions, which revolutionize traditional implant treatments in the presence of atrophy.

The patented Distalosteointegration® technology is realized by creating customisable, arthropodal implants which arise from the **flexible combination** of three unique elements: a locking plate, locking fixtures and a common dental implant.



We commit ourselves onto two goals: overcome the numerous limitations of reconstructive procedures (e.g. G.B.R., Bone Grafting, Sinus Lift) and improve popular and highly specific treatments (e.g. Zygomatic implants), eventually creating new offer and new demand for those specific clinical cases.

Solutions for vertical and horizontal atrophies of the jaw

Current techniques

Adoption limited to top 10% professionals

Considerable intra- and post-operative level of risk

High degree of treatment invasiveness

Time-consuming clinical plans

Costly equipment and procedures

VS

Distalosteointegration®

Reach new end-users (both Dentists and Surgeons)

Simplified and secure treatment

Minimal invasive approach

Compatible with immediate loading

Costs comparable to traditional implant treatments



Every time the three components* distinguishing our technology are combined together an unique Spiderimplant variant is created. The customisation and flexibility of assembly made possible by Distalosteointegration® brings to life **a sole technological concept** fulfilling the needs of two types of treatment – i.e. vertical and horizontal atrophies – as well as two different end-users – i.e. Dentists and Maxillo-Facial Surgeons.

** Go to next page to further learn about solid coupling and assembly details of our solutions*

Our pluriannual experimentation and clinical validation led us to conceive three key implant structures. These represent the solutions where Distalosteointegration® 's benefits are delivered on the highest degree.

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- Targets: Maxillo-Facial Surgeons and experienced Dentists who use Zygomatic implants;
- Components: Locking Plate, Locking Fixtures, Primary Implant;
- Specific benefits: Simplified zygomatic procedure (e.g. local anaesthesia).

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- Targets: skilled Dentists who use Sinus Lift, G.B.R., and "buffer solutions" – e.g. short implants –, Dentists who do not practice atrophy cases to date;
- Components: Locking Plate, Locking Fixtures, Primary Implant;
- Specific benefits: No use of bio-materials and membranes.

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- Targets: Dentists familiar with G.B.R., Split-Crest, Bone Grafting, and/or use narrow implants;
- Components: Locking Plate, Locking Fixtures;
- Specific benefits: No use of bio-materials and membranes.

OUR MISSION – Spiderimplant is looking for a strategic partner to further maximise on a **global scale** the value of the Distalosteointegration® technology. The synergies arising from sharing SpiderImplant's «know-how» with the leadership and commercial presence of the industrial partner will be a powerful tool to bring innovation to the sector and address this market niche.

Also, further exploration about possible alternative use cases might be the bedrock of the partnership.



WHAT we bring to the table – our technology has the potential to position our business partner as innovator and high-performer within the dental implant industry. Key benefits:

1. Ready-to-use products to differentiate from competition.
2. Expansion of current product range (applicable to both zygomatic implant manufacturers and not) and markets served.
3. Leverage existing production methodologies. Our products can be massed-produced and customized alike.
4. Modularity of solution which enables possible new use cases/concepts.
5. Capture "hidden demand" by creating new space of action for the end-users – i.e. Medical profess.

2. Technical details

Despite the modularity and flexible assembly options make possibly available multiple variants of implant to the end-user, our technology relies on a universal and simplified clinical procedure for all our solutions. Following are the common clinical guidelines:

1. Same three components for every type of application → overarching simplified and secure treatment procedure;
2. Same equipment as traditional clinical cases (standard tools, local anaesthesia, no need for bio-materials) → costs reduction;
3. Downgraded complexity of treatment (no adoption of invasive methodologies) → adoption of immediate loading;
4. Narrow-down surgical area to affected area → encourage new audience to treat clinical cases of atrophies.

Below are the typical steps medical professional follow to implement Spiderimplant solutions:

1°	2°	3°	4°	5°	6°
Limited skeletonization of surgical site	Create small side window for implant-plate coupling*	Possible shaping of the Locking Plate by moulding**	Insertion of the common primary implant in the site*	Place the Locking Plate, create holes for Locking Fixtures	Insert fixtures (auto-blocked with the plate)
-	-	Details: variable dimension of 14-18 mm, in Grade 2 Titanium	Details: cylindrical, in Grade 5 Titanium, with lateral access hole for conometric coupling with plate	Details fixtures: truncated cone shape, with atraumatic apex, in Titanium Grade 5, in one or more sizes	-
					

* These steps do not apply to Plate Implant, our concept for horizontal atrophies

** Our technology is also compatible with CAD/CAM production, but it allows as well customisation of standard pieces in the intra-operative phase through basic surgical pliers.

Each implant variant of our technology has been subjected to a pluri-annual onfield exploration and clinical validation, contributing to over 100 clinical cases and 10 implant variants to date.

The key results can be found in our clinical cases and academic publications, above which:

- Excellent tissue integration and bone regeneration;
- No adverse reaction of sinus mucosa;
- Enhanced primary stability thanks to "locking effect".

[Check our clinical cases](#)



[Check our clinical videos](#)



MiniZygo: Coronal skull view



MiniZygo: Lateral skull view

PlatelMplant: Coronal skull view



PlatelMplant: Lateral skull view

SinusMplant: Lateral skull view



SinusMplant: Coronal skull view

Contacts

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