

Treatment of dental and skeletal Class IIs remains a major concern for orthodontists. Hubert Droy, a dental prosthodontics technician specializing in orthodontics for the past 15 years, has thought long and had about the conventional systems.

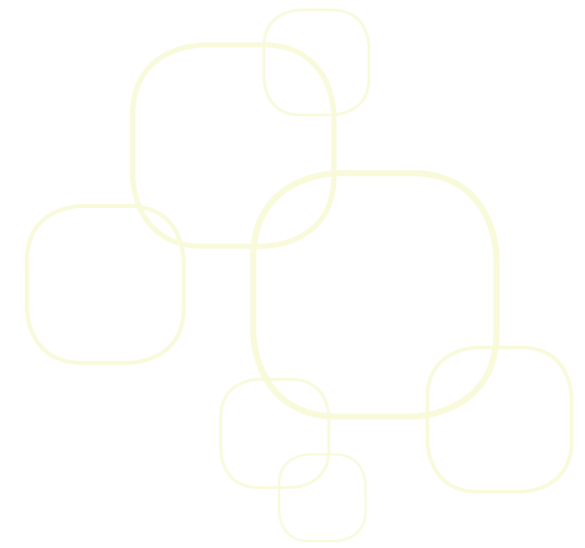
Attentive to orthodontists' needs and drawing on his own ideas, he first devised in 2007 an innovative mandibular propulsion system, the Optimax laboratoire, equipped with non-dismountable vertical ball and socket joint which is both compact and perfectly adapted to the physiology of mandibular movements. This system has been tried and tested on numerous prototypes and has proven its efficacy in the propulsive correction of Class II malocclusions while enhancing patient comfort, the quality of sagittal discrepancy corrections and occlusion stability. The combination of a multi-attachment appliance and Optimax Lab has also been possible thanks to the adoption of an original retention system by means of molar hooks as well as the use of slide tracks. Optimax Lab is CE certified by the LNE (the French national test laboratory), a sure guarantee of quality. Since 2009 and Hubert Droy's encounter with the orthodontist, Dr Benoit THEBAULT, Optimax Lab has been improved still further to provide a system which is now totally reliable, meeting the needs and demands of both patients and practitioners.

Pooling their creativity, they have now developed Optimax Lab into Optimax Fix. The guiding principle underlying Optimax Fix has been to preserve the innovative solutions provided by Optimax Lab (comfort, functionality, reliability) and to combine them with a global multi-attachment technique while eliminating as far as possible the defects of existing systems (unwanted parasite movements, debonding, etc). Thus, Optimax Fix still boasts the efficacy and functionality of the original appliance, ensuring comfort, esthetics and the integrity of the multi-attachment appliance while reducing to a minimum any undesirable dental effects, notably at the mandibular incisors.

Class IIs, however, are not all of mandibular origin. Maxillary dental retraction, combined or not with mandibular dental advancement, is another possible cause. In order to achieve immediate distalization of the lateral segments without prior levelling, Optimax Distaler was devised. The distalizing force is provided by inter-maxillary traction supported by mandibular anchorage or by elastic modules secured to temporary anchorage devices (TADs). The Optimax Distaler can also be used on the mandible.

In summary, Optimax Laboratoire, Optimax Fix and Optimax Distaler, gathered under the "Optimax Global Class II treatment" concept, offer a broad range of therapies capable of resolving the majority of non-surgical Class II treatment indications.

# Modus Operandi



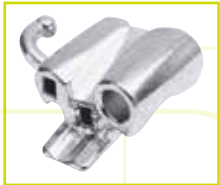
**Hubert DROY** (Designer)  
and Doctor **Benoît THEBAULT** (Qualified DFO specialist)

Optimax Distaler (O. Dist) is not just another retraction system:

- Anchored to the lower and upper 6s, it provides optimal and adaptable retention
- The single size permits in situ adjustments whatever the clinical situation
- Its rigidity and ball and socket hinge allows
  1. Immediate activation without loading the entire arch
  2. Rotation of the upper 6s around the palatal root and of the lower 6s around the distal root
- The compactness of the Optimax Distaler, the enhanced patient comfort it affords, and its adaptability to all types of orthodontic systems make for easier compliance and predictable results.

### Step 1: Placement

1. Band one or both the upper and/or lower 6s. Twin-tube EOT bands at the maxilla and Cetlin at the mandible. Bond a bracket to the canine or the first premolar.



2. Insertion of the ball and socket hinge in the EOT tube.



**Nota bene:** the angulation of the ball and socket hinge is programmed according to the amount of rotation needed around the palatal or distal root.

3. Adjust the length of the anterior arm. Shape according to treatment needs. Final placement.



### Step 2: Activation

Select the traction system depending on the chosen retraction mechanics:

1. Use of plate-type anchorage TADs (or other) to ensure absolute efficiency.



2. Use of IMT. The mandibular arch must now be fitted (lingual arch, Essix splint, Multi-attachment appliance).



**Nota bene:** The mandibular anchorage must be perfectly calculated to avoid unwanted movements, notably at the incisors.

### Step 3: Follow-up

No adjustments are needed during wearing of the O. Dist. Trouble-free evolution should be checked every 2 months until complete correction of the Class II.

▶ After achievement of a Class I



Classic finishing with a multi-bracket appliance.

### The Optimax System

- ★ A system suited to all patients
- ★ A system suited to all practitioners
- ★ A system adaptable to all techniques

Optimax Distaler	Nom	GCO Part N°
Optimax Distaler	Optimax Distaler	92-3000-0000