From 3D orientation to Splints design

NemoFAB
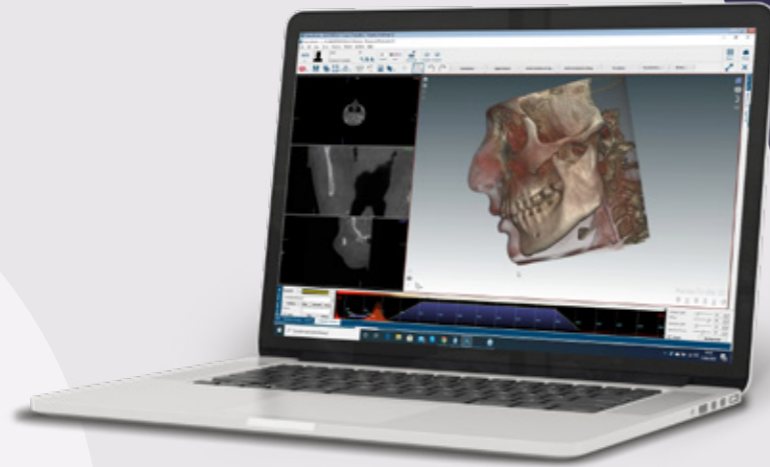A BIOTECH DENTAL BRAND

Orthognathic Surgery Software

NEMOTEC
A BIOTECH DENTAL COMPANY

What is NemoFAB?

NemoFAB is a leading solution used worldwide by Orthognathic surgeons designed by opinion leader Dr. Arnett.

NemoFAB
A BIOTECH DENTAL BRAND

"**NemoFAB** software is an incredibly comprehensive tool for diagnosis and treatment planning for facial, airway and bite corrections. A treatment planning based on more than 40 years of experience in orthognathic surgery ".

Dr William Arnett
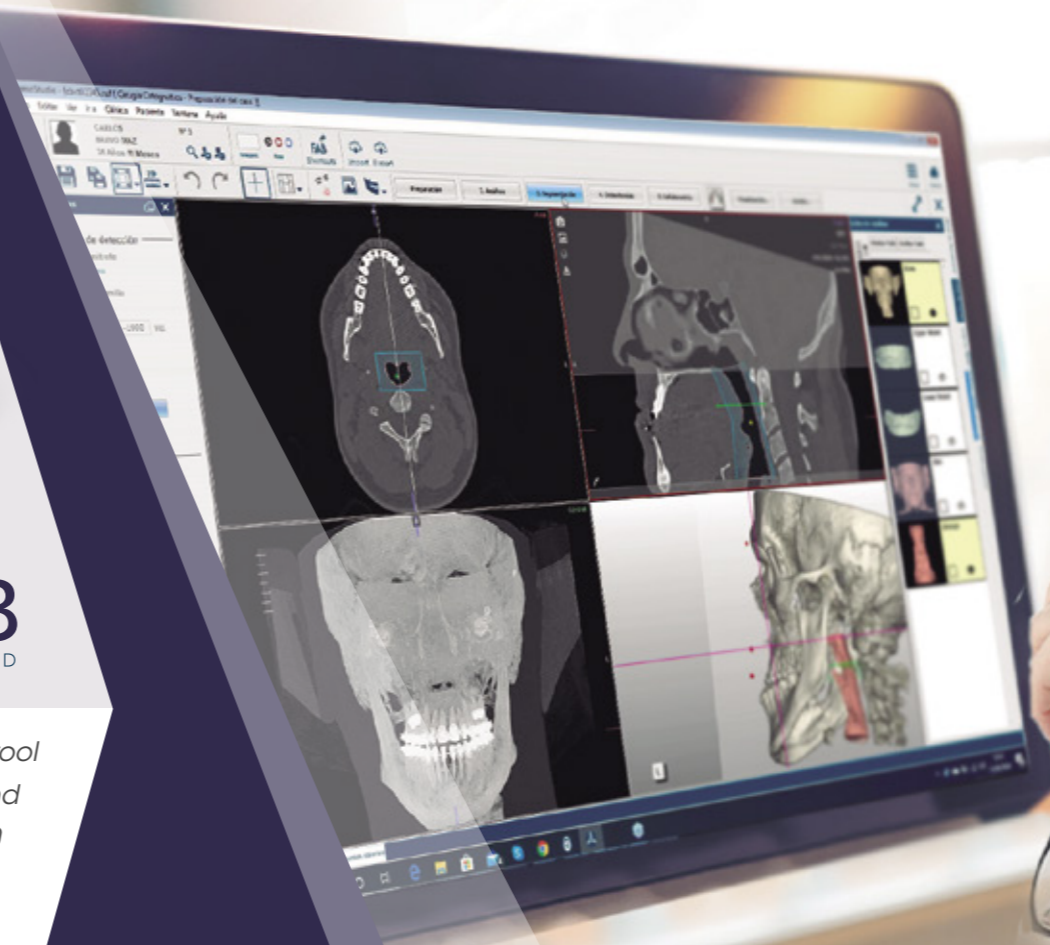
What is this software for?

NemoFAB allows total control throughout the diagnosis and treatment process, optimizing times and improving communication with the patient. It enables surgeons to:

Complete diagnosis

- ATM analysis.
- Airway Analysis. Tomographic diagnostic evaluation of Sleep Apnea.
- Virtual X-rays. Side, Front and Panoramic
- Semiautomatic Models Alignment and Orientation
- Cranial and mandibular automatic segmentation
- Segmentation of fossae and condyles

Complete treatment with 2D and 3D Cephalometry
- The perfect complement to the 3D planning of setups.
- 3D and 2D photographic overlay.
- 2D and 3D morphing.

Use of the virtual articulator
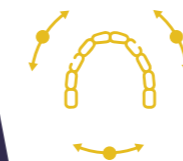
- Dynamic analysis of occlusion.
- Planning in the maxillo-mandibular relationship you want.
- Dynamic displays of movement in real time.
- Display options: distance calculation.
- Prediction and simulation of maxillary and mandibular interferences.

Clinical forms

- FABForms: Medical history, Patient motivation, Dental exam, ...

Why choose NemoFAB?

Choosing NemoFAB is choosing the differentiation and excellence offered by the digital surgery of our age. A cutting-edge technology that helps the surgeon to design surgical treatments with the highest quality and results.
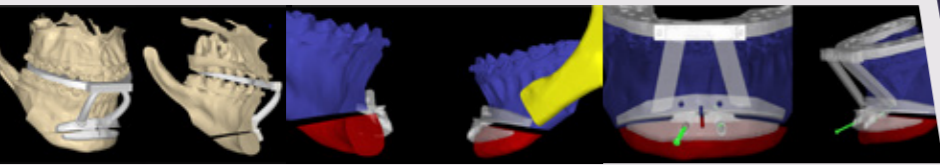
Added value

✓ Full control during the planning process diagnosis and treatment

✓ Reduced times in diagnosis and planning

✓ Design of the surgical splint in less time

✓ Proven methodologies

✓ The surgeon can spend as much time as necessary in the diagnostic and treatment planning stages

Advantages

✓ 2D and 3D surgical treatment plans

✓ Ultrafast 3D render for real-time viewing

✓ 3D photo integration

✓ Use of Dr. Arnett's surgical protocol

✓ Case planning Face, Smile, Ortho and Implant

✓ Diagnosis of facially guided treatments

The NemoFAB Process

NEMOFAB
IN
8
STEPS

Volume orientation — 1

Records production — 2

Models merge — 3

Osteotomy Design (customization) — 4

3D Cephalometric Analysis — 5

2D Cephalometric Diagnosis — 6

Arnett 3D Treatment Plan — 7

Splint Design — 8

1. Importing models and volume targeting
Orientation of the imported volume is achieved automatically by entering key measures of the clinical examination: Maxillary midline deviation, edging, yaw, true vertical distance. import of scanned patient models using scanners.

2. Records
During this step frontal, lateral and panoramic radiographs are produced, TMJ slices and the analysis of the airway is performed. These records are conveniently stored in the image library for later viewing and analysis.

3. Segmentation
Merging the models is a tedious and dissuasive process for doctors in all programs on the market. Thanks to FAB's patented algorithms, they are done automatically in seconds.

4. Osteotomy design
Thanks to the possibility of customization, surgeons now have full control of the design of osteotomies according to their own styles and techniques. This customization improv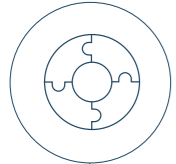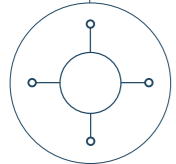es prediction and precision in the operating room by having all the relationships between the different fragments visible.

5. 3D cephalometric tracing
The surgeon, having the volume of the digitized CT scan with great precision, automatically obtains "key" measurements to achieve excellent results.

6. 2D cephalometric tracing
Soft tissue cephalometric analysis (STCA) y profile cephalometric treatment planning (CTP) se obtienen en el paso 6. El STCA y CTP se utilizan para completar la corrección del perfil, la vía aérea y la oclusión.

7. 3D treatment plan
The 3D frontal and lateral planning allow us to make corrections of the face, the airway and the occlusion. Frontal corrections are based on the results obtained in step 1 - volume orientation. The profile correction made in step 6 is automatically imported into the 3D scene.

8. Splint design and mandibular recontouring
In the last step, surgeons design the splints according to their specifications with the possibility of performing mandibular recontouring for feminization cases.
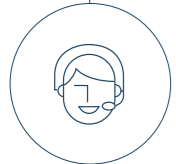
Suite NemoStudio

All In One

UNIQUE

Platform that includes all the specialities in dentistry.
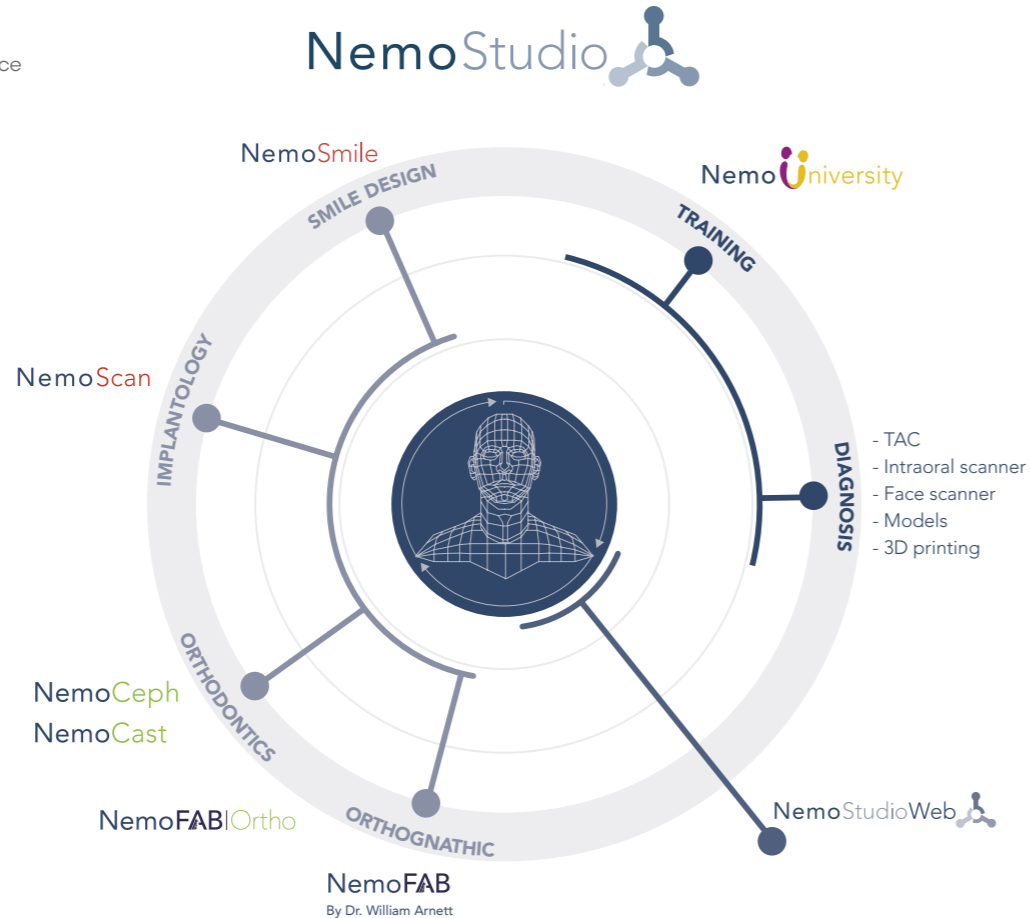
OPEN

The suite is open-source and can be easily integrated with any clinical devices.

SERVICE FIRST

After-sales support and training.

NemoStudio is the unique multidisciplinary digital platform for dentistry open and flexible worldwide

NemoStudio

- NemoSmile
- NemoUniversity
- NemoScan
- NemoCeph
- NemoCast
- NemoFAB|Ortho
- NemoFAB
  By Dr. William Arnett
- NemoStudioWeb

SMILE DESIGN · TRAINING · DIAGNOSIS · ORTHOGNATHIC · ORTHODONTICS · IMPLANTOLOGY

Diagnosis:
- TAC
- Intraoral scanner
- Face scanner
- Models
- 3D printing

About Nemotec

Nemotec is a leading Spanish technology company for the dental industry. It was created in 1992 to provide dentists, clinics, laboratories and technology companies with flexible and open solutions to diagnose, plan, print professional dental products and communicate visually and effectively treatment plans to patients in dental specialties such as Orthodontics, Orthognathic, Implantology and Smile Design.

30 YEARS NEMOTEC A BIOTECH DENTAL COMPANY

Currently, Nemotec has more than 50 employees from different specialities, sales in more than 90 countries and has a network of distributors spread in strategic areas worldwide.

The company presents its new version of the unique digital multidisciplinary platform for dentistry in the world known as NemoStudio. The technology of Nemotec is endorsed by prestigious professionals of different disciplines.

- **30** years of experience
- **91** countries
- Unique **MULTI-DISCIPLINARY** suite
- Opinion **LEADERS**
- **20.000** doctors

30 YEARS NEMOTEC
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