



## New CLINICAL line for dentistry

USER CATALOGUE 2025

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# THE DIGITAL WORKFLOW

## Welcome to the **DIGITAL WORKFLOW**, a new dentistry to satisfy all patient needs

Nowadays the dental practice can count on many and various technologies, from intraoral scanners to CAD/CAM technology, which allow workflows to be partially or totally digitized. Supported by digital instruments, they are more agile and repeatable: the solutions are infinite and constantly evolving, every day more and more simple. Embracing this evolution allows you to show patients your will to be at the forefront, but also to increase your competitiveness and productivity. A virtuous circle of growth for the facility and practitioners

### The digitalisation of the dental practice

A dental practice that wants to achieve high standards of efficiency and quality cannot avoid digitalisation. This process will result in a different relationship with patients, a working efficiency that is unthinkable with analogue means and a more adequate distribution of appointments during working hours. Only by combining medical skills with the latest generation digital technologies can we:

- 🦷 Reduce intervention times
- 🦷 Guarantee highly precise products
- 🦷 Manage manufacturing processes internally

This is a path that can be undertaken in various steps, a path that takes you far.

### The Clinical line increases the productivity of the dental studio

The Clinical line allows the dental studio to cover all work phases: from the acquisition of dental impressions to the digital smile design, from dental modelling to milling, up to the 3D printing of the prosthetic products.

This means offering a range of opportunities to patients, specific to the digital world, which otherwise cannot be pursued with analogue systems. The dentist-patient relationship will undergo a transformation that will positively affect many aspects: from the acceptance of the proposed treatments to the speeding up of production processes, changing the timing within the dental studio and changing the use of the same by patients. Fewer sessions for the same treatments

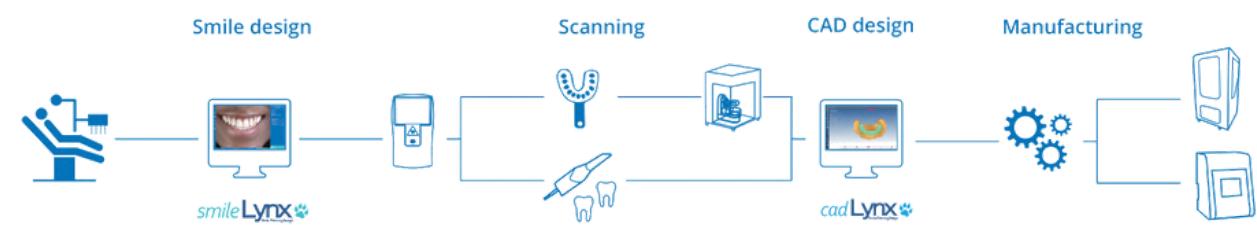
## In-house production: with the Clinical line you can

Digitizing the workflow with the new range of Clinical solutions will make your practice more efficient and productive thanks to a smoother workflow: from the design phase to the finalization of the prosthetic products even in a single day, in some cases in a few hours. The transition from analogue to digital is an advantage for dental studios of all sizes. Greater efficiency will be welcomed both in large structures, which will make many activities more automatic, and in small studios, transforming them into more competitive realities, able to offer a greater number of services in less time without sacrificing quality and without increasing costs for production and for patients

## A gradual transition from analog to digital

For those who prefer a gradual approach, which starts from the integration of digital with the equipment they already have, the products of the Clinical line are compatible with the majority of technologies and tools existing on the market.

The approach to technology will be simple: our experts will engage in active support in the learning phases of digital transformation, an exciting path that will lead you towards new goals.



## The advantages of an intelligent choice

The advantages of the digital workflow are not only reflected in the efficiency of the dental studio, but also in the speed of the treatments and the quality of the final result. Patients will be able to say goodbye to unpleasant aspects, such as traditional impression-taking with the spoon, and even indecision concerning the treatments to undertake can be better managed thanks to the previsualization of the final result

## Better patient management

Dental problems have a strong impact on the emotional sphere: indecision and fear of facing treatments can keep patients away. Thanks to new dental technologies, it is possible to reassure the patient on the final appearance of the restoration and guarantee him a quick return to normal with a beautiful and healthy smile

## Better communication

Actively involving the patient in a personalized work plan means winning their trust. In just 10 minutes he can see the smile he will have at the end of the job and quickly decide to face the proposed treatments. Keeping an archive of the patient's smile from the first meeting also allows to guarantee a faithful reconstruction, in the event of daily life events that could damage the teeth.

## Problem solving in a single session

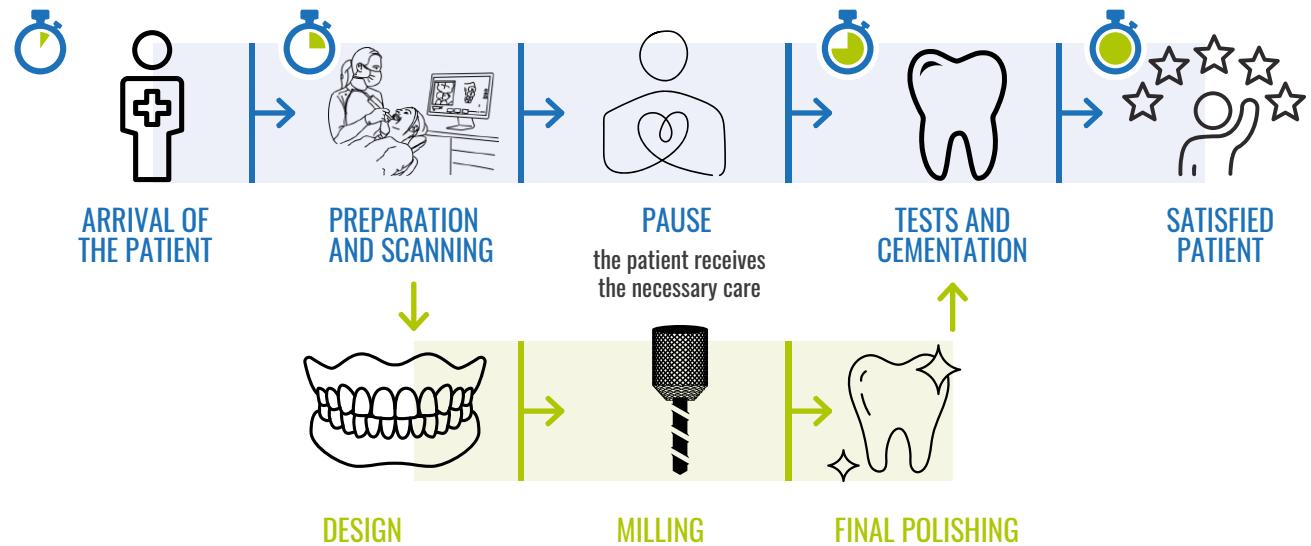
In the case of simple restorations, the practice is able to offer the patient an immediate solution, solving the problem in just over an hour.

## No pre- and post-operative discomfort

Taking the impression using an intraoral scanner minimizes discomfort for the patient and the risk of inaccuracy or error. In the case of surgical treatments with Pocket Laser, the interventions will be quicker and less painful, with decidedly short recovery times.

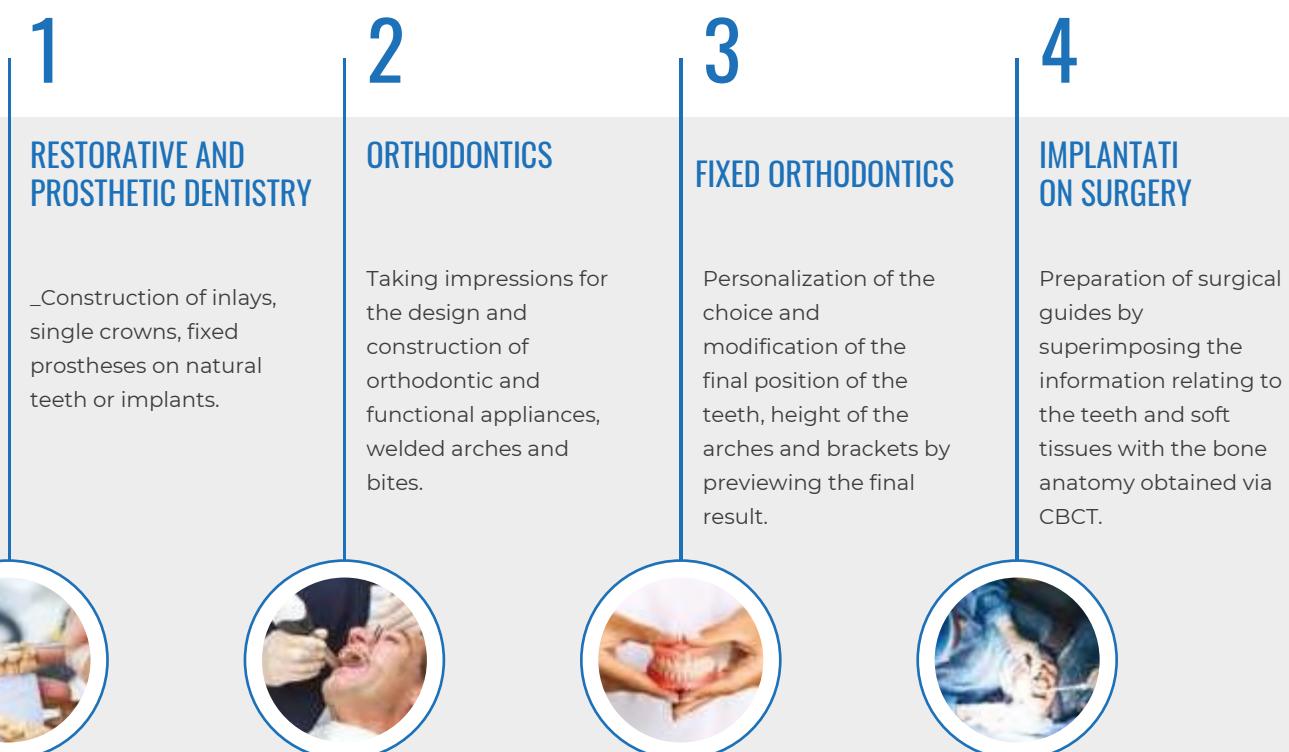
## Time saving

Less chair occupancy time translates into greater profitability without penalizing the quality of the service offered.



## A solution for every branch of dentistry

Digitalizing the workflow means implementing your professional services in every specialty of dentistry.





## THE SOFTWARE TO SHOW THE PATIENT THE SMILE THEY HAVE ALWAYS DREAMED OF

### The dream smile becomes reality

smile Lynx, the digital smile planning software, allows dentists to design their patients' dream smiles. In fact, in just 10 minutes it is possible to show a surprising "before" and "after" to the patient during the first appointment.



### smile Lynx improves communication with patients and the dental technician

smile Lynx allows you to design the ideal smile of your patients.

The possibility of viewing the final result from the first appointment prepares the patient to experience the smile rehabilitation process with greater confidence and availability. At the same time, the professional will have the advantage of developing smile design projects starting from two simple full-face photographs and being able to send precise information to the dental technician to finalize the work.

### smile Lynx: a project in 3 simple steps

- 1 Taking an impression and acquiring two photographs of the patient, following a guided protocol.
- 2 Upload the photographs into the **smile Lynx** software and, thanks to an intuitive and guided "step-by-step" process, create the project. After showing the patient the final result, it is possible to save a PDF report to share with the same patient and with the laboratory. To finalize the work in the most complete way, **Cad Lynx** allows you to import the two-dimensional design. The patient data, photographs and the library used are already present in **Cad Lynx**. It is then possible to create the three-dimensional model and then export the STL file and print a model to try directly on the patient.
- 3

## FOCUS



### IMMEDIATE RESULTS

The patient can see the final result from the first appointment, avoiding the typical worries of an analogue work



### EASY TO USE

Thanks to a guided workflow and intuitive controls



### WORKFLOW RAPIDO

Fast studio-laboratory communication by importing files into your own CAD



### WHY CHOOSE smile Lynx?

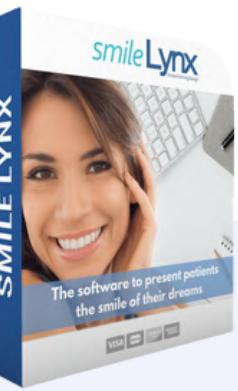


- 🦷 Simple to use thanks to a guided workflow and intuitive controls
- 🦷 Permanent license and rental compatible with Windows and MacOS
- 🦷 Constant updates to improve and keep the software in line with new releases
- 🦷 Better professional-patient communication
- 🦷 Quick and precise sending of data between the practice and the laboratory



THE SOFTWARE TO SHOW THE PATIENT THE SMILE THEY HAVE ALWAYS DREAMED OF

## Purchasing Options



**LIFE TIME LICENSE**

cod. 88S-SLYNX

- Calibration tool
- All updates for the first year

[Find out on the site](#)

### SOFTWARE SPECIFICATIONS

Windows and Mac compatibility; CPU Core 2 Duo 1.6 GHz CPU; 2 GB memory; 1 GB storage; Minimum system requirements: Windows 7+ and MacOS



## Accessories

### UPDATE smile Lynx

Cod. 88S-AGSMILE

### CALIBRATION tool

Cod. 88S-CUSCI

### ONLINE COURSE - Duration 90 Minutes

Code. 88S-COR90MSMI

### Nº1 online support CONNECTION

Cod. 88S-SUPLYNX

### No. 5 CONNECTIONS of online support

Cod. 88S-5SUPLYNX





## THE SOLUTION FOR DENTAL DESIGN AND MODELING

### Revolutionize your way of working with Cad Lynx Evolution and also design with guided surgery

Working digitally with the 3D Cad Lynx Evolution dental software allows you to create and model any type of prosthesis through a simple and guided step-by-step process. Thanks to the presence of the guided surgery software you will be able to benefit from a single service within this high-performance Cloud platform.

## FOCUS



#### SOFTWARE ALL IN ONE

Thanks to this unique feature with Cad Lynx Evolution you will not have to worry about purchasing additional modules as they are already present in the single license



#### FLEXIBLE APPROACH

Cad Lynx Evolution is software written with a modern language that allows you to modify the production path without having to activate different restorations. Cad Lynx Evolution means unprecedented working freedom



#### WORK WHEREVER YOU ARE

Thanks to a Cloud licensing system you can access and work wherever you are, without the need for dongles.



#### CERTIFIED PLATFORM

Cad Lynx Evolution in complete version (including guided surgery) has obtained CE certifications (class II A) and FDA (class II), quality system compliant with ISO 13485:2016.



#### MULTI DEVICE PLATFORM

*Cad Lynx Evolution will allow you to work on all mac, windows and mobile IOS platforms*



#### RENTAL OPTION

Possibility of monthly rental (with annual commitment) extended across the entire platform, always remaining updated without additional costs



#### CLOUD PLATFORM

A protected and safe system that connects all the players in the dental team, sharing common projects



### Take advantage of the complete flow from 2D to 3D, from photography to CAD-CAM

After acquiring the file 2D (with bench or intraoral scanner), you can quickly save the project and import it into the software

#### 3D cad Lynx.

Thanks to Cad Lynx Evolution you will have a complete CAD at your disposal, totally free and capable of integrating perfectly with files from 2D or 3D acquisition (through smile design and/or intraoral scanning) and ready to communicate with the major cams on the market to easily print or mill any type of project created.



#### AN ADDITIONAL WEAPON FOR YOUR DENTAL TEAM

### Why choose Cad Lynx Evolution?

- ⌚ Simplifies work
- ⌚ Innovative, precise and flexible Cad suitable for expert and non-expert users
- ⌚ Possibility of renting
- ⌚ Open system that allows you to receive and release files in STL format that can be shared with other free systems
- ⌚ Possibility of importing DICOM, STL, OBJ, PLY files Interconnection with implant surgical platform





## THE SOLUTION FOR DENTAL DESIGN AND MODELING



### RealGUIDE START

Dental technician/dentist communication platform, dicom, stl and pdf file viewer, free for archiving up to 5 cases



### RealGUIDE APP

For dentists: Implant design and case management on the move



### SOFTWARE Cad Lynx Evolution



#### PURCHASE

code. 88S-00078

#### RENT

code 88S-00065-AB

#### LICENSE UPDATE

code. 88S-00079



### RealGUIDE PRO

For Dentists: implant planning software



### RealGUIDE DESIGN

For dentists/dental technicians: Surgical guide design software



### RealGUIDE CAD+

For dental technicians/dentists: implant planning software + template design + prosthesis modeling.

#### PURCHASE

Includes updates and unlimited STL file export within 1 year of license activation.

code. 88S-00050-AC

code. 88S-00051-AC

code. 88S-00080-AC

#### RENT

Monthly payment, including updates and unlimited STL file export within 1 year of license activation. 12 month contract

code. 88S-00060

code. 88S-00077-AB

code. 88S-00082-AB

code. 88S-00066-AB

#### LICENSE UPDATES

ONLY for purchase licenses

code. 88S-00061

code. 88S-00062

code. 88S-00081



## THE SOLUTION FOR DENTAL DESIGN AND MODELING



**Revolutionize your way of working with Cad Lynx Evolution and also design with guided surgery**

**88dent has decided to make an Interactive Tutorial available to you where our friend Sofia will accompany you into the world of:**

### CAD LYNX EVOLUTION

**It will show you short videos, for each section, to make the most of our new software!**

[\*\*Click and discover\*\*](#)

## Courses and support

**BASIC GROUP COURSES - Duration 1 day**  
Cod. 88S-CADLYNXEVO-CORSO



**ADVANCED GROUP COURSES - Duration 1 day**  
Cod. 88S-CADLYNXEVO-CORSO-AV



**ACADEMY FOR CLINICIAN/TECHNICIAN - Duration 4 days**  
Cod. 88S-CADLYNXEVO-ACADEMY



**REMOTE TRAINING INSTALLATION - Duration 4 Hours**  
Cod 88S-CADLYNXEVO-INSTALLATION-R

**REMOTE TRAINING INSTALLATION - Duration 8 Hours**  
Cod. 88S-CADLYNXEVO-INSTALLATION-S

## Minimum computer system requirements

### MINIMUM REQUIREMENTS - PC

PROCESSOR	Intel I5 or I7 (for laptops). Quad Core recommended (for Workstation)
E RAM	Minimum 4 GB. For large data sets 8 GB is suggested
HARD DISK	300 – 500 GB
GRAPHIC CARD	3GB or higher vRAM is recommended. For superior performance Nvidia GTX or QUADRO
SCREEN RESOLUTION	1920x1080 for optimal viewing Windows 7 (64 bit),
OS	Windows 10. For professional use we recommend the Dell XPS 15 (9560) notebook line

### MINIMUM REQUIREMENTS - MAC

OS	OS X (Mojave o sup.)
VERSION	MacBook Pro 15"; iMac

### MINIMUM REQUIREMENTS - iOS

VERSION	iPad Pro, iPhone 7 Plus, 8, X
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For correct functioning of the CLOUD platform, a stable connection to the Internet is required. (DSL for cable connection, 4G for mobile network).

# iATON S

## A SOPHISTICATED HIGH PRECISION SCANNING SYSTEM

### Improve communication with your dental team

iAton S allows digital impressions to be taken quickly, accurately and smoothly by generating 3D models of the patient's oral cavity, providing all the necessary information, in high definition, improving communication between dentist and dental technician.

Six ergonomic tips are supplied.

### FOCUS

iAton S è stato progettato per varie tipologie di scansione.



#### SIMPLE ACQUISITION OF UPPER AND LOWER ARCH

Commonly used for orthodontic designs. The software allows you to compare a further scan of the patient acquired to ongoing treatment.



#### ACQUISITION IN THE PROSTHETIC FIELD

The software includes an additional scan of provisional anatomies to be used as wax-ups



#### ACQUISITION IN THE IMPLANT FIELD

The software provides an additional scan per scanbody necessary for the spatial repositioning of the implant in the Cad environment



### iATON: scanning at your fingertips

The resistant and compact briefcase packaging makes iATON S an easily transportable tool suitable for new working dynamics. The advantages of iATON S can be appreciated from the first use: its manageability and easy use make it indispensable in the digital workflow, providing efficiency and precision.

Thanks to the small size of the handpiece, which is characterized by its low weight and, through the use of interchangeable tips and different angles, you have a precise and easy scan of your patient's oral cavity, in just a few minutes and with minimal movements.

The image is reproduced on the monitor to create a latest generation virtual experience that also involves patients. The development of a 3D model allows you to have a complete view of the oral cavity, also thanks to the possibility of taking snapshots of intraoperative details of interest, in JPG format. It is thus possible to create a history of the scans and the dental arch of the patients, thus offering an additional service to protect both.

### iATON S: the hi-tech solution for your patients

iATON S is an extraordinary solution for your patients:

- 1 Avoid complicated and annoying operations
- 2 Ensures benefit and relaxation
- 3 Conveys professionalism and innovation

Thanks to its compactness and small size, it gives the comfort that no other system can currently give to your patients. The patient will certainly be more relaxed than in the past. iATON does not require the use of powders for scanning and thanks to the open scanning system it interfaces with all software on the market creating STL, OBJ, PLY files. Costs and times of use decrease radically, while the value of the performance increases!

### Why choose iATON S?

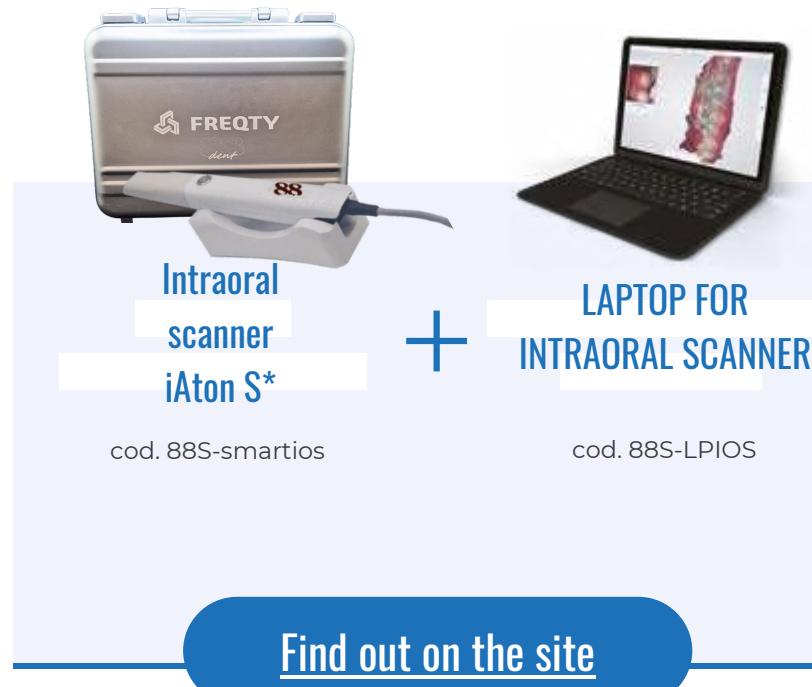


- 🦷 Greater comfort for the patient
- 🦷 Rapidity
- 🦷 No need for scanning powder, impression trays, chewing pastes and waxes
- 🦷 High precision, accuracy (scan distortion of only 30-50 Microns)
- 🦷 Easy to handle
- 🦷 Convenient to carry
- 🦷 Interchangeable and autoclavable tips for total protection from infections
- 🦷 Color scan in high definition
- 🦷 Open scanning system that interfaces with all software on the market and creates STL, PLY files
- 🦷 No royalties to pay
- 🦷 Scanning of models and impressions Pedal included, for optional use
- 🦷 Easy and intuitive software Blue light
- 🦷 Plug and play - direct connection to the PC (configured with USB 3.0 port)

# iAton S

A SOPHISTICATED HIGH PRECISION  
SCANNING SYSTEM

## Prodotti Elegant 3



[Find out on the site](#)

## \*CONTENTS OF THE CASE

Calibrator

1

Tip Head

1

Manual

6



## Technical specifications

6 different TIPS  
Autoclavable

TIPS size (WxWxH)  
83.4x19.6x14.6 mm

Dimension (DxWxH)  
221x27x25 mm

Weight  
138 gr

Outgoing files  
STL, PLY, PTY



Scan Depth  
20 mm

Scanning Technology  
Coded structured light

Scanning time of both  
arches  
< 5min

Interface  
USB 3.0

Field of view  
18x16 mm

To ensure the correct functioning of the iATON scanner software, you must meet the following minimum requirements - both for the computer and for the power supply:

### MINIMUM COMPUTER SYSTEM REQUIREMENTS

**CPU** i7-7700k (3.6 GHz; quad-core; 8-thread) or higher

**RAM** DDR4 2400 16 GB or higher

**Hard Disk** SSD 240 GB or higher

**Graphics Card** GTX 1060 Memory 6 GB or higher

**Operating System** Windows10\* 64 bit or higher

**Display** Resolution 1920x1080 or higher

# ATON4PLUS

## THE HIGH SPEED BENCH SCANNER

### The benchtop scanner with surprising performance

The ATON4PLUS dental scanner has undergone significant aesthetic and performance improvements to offer an optimal user experience. Thanks to its powerful performance, hidden under a compact and slim appearance, comprehensive functions, ease of use and superior efficiency, it is able to satisfy all needs in terms of fixed restorations, removable restorations, dental implants, orthodontics and other dental applications. This level of technical innovation takes the scope of dental work to a new higher level.

### FOCUS



#### NECESSARY

ATON4PLUS guarantees precision <8 microns



#### ULTRA-FAST SCANNING

Only 12 seconds to scan the entire arch  
Unsectioned model scanning: 14s Post  
core: 33s All-in-one: 20s Triple tray: 70s  
True color texture scanning: 16s



#### NON-SECTIONED MODELS

Detects the fine preparation in depth on non-sectioned prosthetic models and the areas of interest on orthodontic models



#### TRUE COLOR TEXTURE

Perfectly renders the color of the model with realistic textures



### How to make the most of the potential of the ATON4PLUS scanner

The performance of the ATON4PLUS scanner reaches maximum productivity with Cad Lynx Evolution. The automated functions that characterize the Cad Lynx Evolution software allow the user an optimized result and a considerable saving of time.

### The advantages of the ATON4PLUS scanner

#### 1 FREELY CHANGE SCANNING STEPS

Easy drawing on the model or marking for model castings thanks to three different light colors (blue, white and red) and the function that allows you to adjust the intensity of the light in real time

#### 2 FILL THE HOLE ON THE STUMP

There is no need to manually add wax, the software automatically fills the screw holes

#### 3 INTEGRATED WORKFLOW

compatible with Cad Lynx Evolution and the main CADs on the market

#### 4 MARK THE MARGIN LINE

Mark the margin line directly in the UPACD software after scanning, reducing tooth design time.

#### 5 INSTALLATIONS

Scan-body scanning for the creation of abutments and crowns screwed onto implants

#### 6 MODEL SCAN

Possibility to scan plaster models, segmented and non-segmented

#### 7 PHYSICAL SCAN OF ARTICULATORS

Opportunity to scan even large articulators, directly in the scanner

### Why choose the ATON4PLUS scanner?



- 🦷 Speed and precision
- 🦷 Self-calibrating brightness
- 🦷 Latest generation acquisition software
- 🦷 Texture readings
- 🦷 Articulator
- 🦷 Triple tray impression reading
- 🦷 Software included
- 🦷 All-in-one scanning, triple tray one-click scanning
- 🦷 Detect margin line, true color texture scanning

# ATON4PLUS

THE DESKTOP SCANNER, IN COMPACT DIMENSIONS, TO ALSO SCAN IMPRESSIONS



SCANNER  
ATON4PLUS

cod. 88S-ATON4-PLUS

[Find out on the site](#)

## \*ACCESSORIES INCLUDED

USB cable	1
Power cable	1
Blue Tack	1
Calibration plate	1
Scanning plate	1
Dongle	1
Screw Plate	1
Thickness	1
Imprint holder	1
Multi-die plate of 6	1
Multi-die plate of 12	1

## Possibility of bundles

Scanner+ PC + CAD  
Software + Training+ 8K  
Printer (FREE)

## Technical specifications

Rooms  
2x1.3 Mp

Accuracy/Precision  
8 micron

Outgoing files  
AWL UM PLY OBJ

Technology  
Custom blue light/multi-color scanning



Dimension (DxWxH)  
270\*360\*390 (mm)

Weight  
10 kg

Assets  
2

Interface  
USB 3.0

Full arch scanning time  
12 seconds

- ✓ Automatic Alignment
- ✓ Multi Die scanning
- ✓ Adaptive color and brightness
- ✓ Automatic Calibration
- ✓ Die scanning on model
- ✓ Compatible with 3D mouse
- ✓ Texture Scanning
- ✓ Scanning on implants
- ✓ Scanning Models
- ✓ Fingerprint scanning
- ✓ Single/triple tray scanning
- ✓ Scanning Dies
- ✓ Scanning with articulator

## MINIMUM COMPUTER SYSTEM REQUIREMENTS

**CPU** Intel Core i7 8th Gen or higher

**Memory** 8GB/16GB or higher

**Hard Disk** Not less than 300Gb. (e.g. SSD 120G+HDD 1T)

**Graphics Card** GeForce GTX 1050 or better

**Operating system** Win7/10 64-bit professional

**USB** USB 3.0

**Motherboard** A USB 3.0 certified motherboard is recommended

## EXTERNAL POWER REQUIREMENTS

**Nominal voltage**

CA 110-240 V,

50 Hz

**Rated current**

50-60 Hz

**Rated frequency**

# UP1000

## THE HIGH SPEED BENCH SCANNER

### The benchtop scanner with surprising performance

The UP1000 dental scanner is a high precision 3D scanner equipped with a 500 mega pixel high resolution dual camera. Thanks to the newly developed software algorithm, high resolution and precision of scan data, this device is applicable to different types of complex cases, such as fixed and implant restorations, screw-retained crowns and bridges, and much more.

### FOCUS



#### HIGH ACCURACY OF SCAN DATA

It allows you to obtain scan data with a 500 megapixel dual camera, with an accuracy of 5  $\mu\text{m}$ , which can clearly capture the details of the margin line. Thanks to this system it is possible to create all types of complex dental bridges, implant restorations and bars



#### FREE SWITCHING

Unconstrained by traditional scanning processes, just one button is all it takes to navigate to the desired scanning process.



#### JUST ONE BUTTON TO FILL THE HOLES

There is no need to manually locate the holes and scanning angles and you can fill the holes in a single operation.



#### TRUE COLOR TEXTURE

Perfectly renders the color of the model with realistic textures



#### WIDE APPLICATIONS

Scanning of models: sectioned, complete (veneers), implant and orthodontic



### How to make the most of the potential of the UP1000 scanner

The performance of the UP1000 scanner reaches maximum productivity with Cad Lynx Evolution. The automated functions that characterize the Cad Lynx Evolution software allow the user an optimized result and a considerable saving of time.

### The advantages of the ATON4PLUS scanner

#### 1 MULTIPLE OCCLUSION SCANNING METHODS

Scan multiple scanbodies at one time, applicable to all kinds of complicated cases such as implant scanbodies, screw-retained crowns and bridges, etc.

#### 2 MULTIPLE OCCLUSION SCANNING METHODS

Choose dynamic scanning and automatic static scanning.. The dynamic scanning data of a large articulator is more complete and more accurate for data recording. 2. Static scanning only requires you to hold the occlusion model manually and insert it into the scanning chamber; the scan will be completed in one second, saving time and effort.

#### 3 OPEN SYSTEM

Free import and export of files in STL format. Seamless integration with third-party design software, such as exocad, 3Shape, dentalwings etc. Export format: STL, UM, PLY, OB

#### 4 TRUE COLOR TEXTURE

True color texture data obtained from scanning makes RPD design even easier! 2. Scanning the margin line with manual marking on the plaster model makes the fixed restoration design more precise and tight!

### Why choose the ATON4PLUS scanner?



- 🦷 Comprehensive implant scanning strategy
- 🦷 Multiple occlusion scanning mode
- 🦷 Open system
- 🦷 True color texture
- 🦷 Updated software

# UP1000

THE DESKTOP SCANNER, IN COMPACT DIMENSIONS, TO ALSO SCAN IMPRESSIONS

## UP1000 products



SCANNER  
UP1000

cod. 88S-UP1000

[Find out on the site](#)

### \*ACCESSORIES INCLUDED

USB cable	1
Power cable	1
Blue Tack	1
Calibration plate	1
Scanning plate	1
Dongle	1
Screw Plate	1
Thickness	1
Imprint holder	1
Multi-die plate of 6	1
Multi-die plate of 12	1

## Technical specifications

Rooms  
2\*5.0mp



Accuracy/Precision  
5µm

Outgoing files  
STL; UM; PLY; OBJ

Technology  
Custom blue light, support multiple color scanning

Dimension (DxWxH)  
520\*295\*347(mm)

Weight  
15kg

Assets  
2

Interface  
USB 3.0

Full arch scanning time  
12 seconds

- ✓ Automatic Alignment
- ✓ Multi Die scanning
- ✓ Adaptive color and brightness
- ✓ Automatic Calibration
- ✓ Die scanning on model
- ✓ Compatible with 3D mouse
- ✓ Texture Scanning
- ✓ Scanning on implants
- ✓ Scanning Models
- ✓ Fingerprint scanning
- ✓ Single/triple tray scanning
- ✓ Scanning Dies
- ✓ Scanning with articulator

### MINIMUM COMPUTER SYSTEM REQUIREMENTS

**CPU** Intel Core i7 8th Gen or higher

**Memory** 8GB/16GB or higher

**Hard Disk** Not less than 300Gb. (e.g. SSD 120G+HDD 1T)

**Graphics Card** GeForce GTX 1050 or better

**Operating System** Win7/10 64-bit professional

**USB** USB 3.0

**Motherboard** A USB 3.0 certified motherboard is recommended

### EXTERNAL POWER REQUIREMENTS

**Nominal voltage**

CA 110-240 V,

50 Hz

**Rated current**

50-60 Hz

**Rated frequency**

# POCKET LASER

[Find out on the site](#)

## HIGH PRECISION AND VERSATILITY IN POCKET SIZE

### Small size, optimal power

POCKET LASER with its 6 watts of power represents, among small lasers, one of the most powerful machines. The dimensions and low weight, only 800 grams, make it extremely easy to transport to different workplaces. The wireless pedal with long-lasting battery allows "hands free" use, increasing freedom of movement.

The resistive touch screen allows the operator to interact with the device even while wearing gloves, or to touch the screen with gauze or instruments. It can also be used with disposable and sterile protective adhesive films, which make it safe for maximum hygiene control.

POCKET LASER is equipped with multiple accessories that make it suitable for any clinical application.

### FOCUS

POCKET LASER has programs specifically designed and implemented for the following areas of intervention and applications:

 **PERIODONTOLOGY**

 **ENDODONTICS**

 **SURGERY**

 **PROSTHESIS**

 **CONSERVATIVE**

 **BIOSTIMULATION**

 **IMPLANTOLOGY**

 **DECONTAMINATION**

 **LOW LEVEL LASER THERAPY AND HIGH POWER LASER THERAPY**

 **WHITENING**

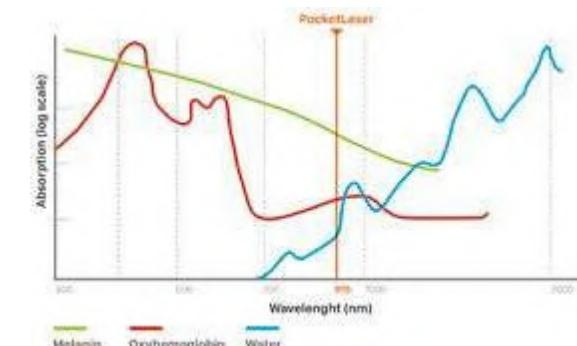
 **DESENSITIZATION**

 **AESTHETIC MEDICINE**



### 915 nm: the ideal wavelength

POCKET LASER is a one-of-a-kind diode laser, with a wavelength of 915 nm, designed specifically for use on soft tissue. The choice of this wavelength is not random. It is in fact one of the lengths with the greatest penetrating power, with an excellent intersection: low level of melanin (maximum effectiveness), low level of water (less pain) and disinfectant function) and average hemoglobin level (good cut) - see side graph. Thanks to its different modes of use, continuous pulsed and superpulsed, it allows excellent effectiveness in pain relief treatments and resolution of inflammatory processes. Experimental evidence has demonstrated a regenerative biological action.



"Experimental study on mucosal incision with molecular quantum resonance scalpel: biophysical and histological evaluation." - Ital Oral Surg. 2012 Apr. P. Vescovi, M. Meleti, L. Corcione, E. Merigo, M. Manfredi, C. Fornaini

### Wide variety of clinical programs

POCKET LASER is equipped with 70 pre-set clinical programs, which make it the ideal tool for those approaching diode laser for the first time. It is a device that allows great flexibility, since it immediately presents numerous memory spaces available to the expert dentist or hygienist, who will be able to independently implement new programs and customize those already present.

POCKET LASER clinical programs are constantly developing and updated.

### Why choose Pocket Laser?



- 🦷 Latest generation diode laser
- 🦷 Extremely high performance
- 🦷 High precision and versatility
- 🦷 Very small dimensions, which make it a portable device
- 🦷 Improved visual field and greater safety
- 🦷 Minimally invasive
- 🦷 Rapid healing without scarring
- 🦷 Less use of anesthetic
- 🦷 High degree of haemostasis, with consequent improvement of the field visual

# POCKET LASER

## HIGH PRECISION AND VERSATILITY IN POCKET SIZE

### Not only dental use but also aesthetic medicine

Modern dentistry is increasingly moving towards an aesthetic, conservative and minimally invasive approach, in order to guarantee satisfactory results for both the patient and the professional. The clinician often finds himself faced with situations in which the teeth present chromatic alterations (discolorations), and sometimes pigmentation occurs in the gums and oral mucosa. These changes in the colors of hard and soft tissues can have a significant impact on patient perception, causing relevant psychological and social consequences.

To address this aesthetic problem, there are several laser devices with specific wavelengths that can be used in a minimally invasive way. The diode laser with a power of 915 nm is an advanced technology that has also found wide use in the field of aesthetic medicine. This laser, known for its ability to operate in the near-infrared (NIR) wavelength, offers significant advantages when it comes to improving the aesthetic appearance of different areas of the body. One of the main uses of the 915 nm diode laser is the treatment of skin discoloration. These discolorations can be caused by various conditions, including hyperpigmentation, sunspots, superficial vascular lesions and other skin imperfections. The 915 nm NIR diode laser is able to penetrate deep into tissues without damaging the skin surface, making it ideal for treating skin discoloration without causing visible damage to the epidermis. This laser aims to selectively target the chromophore (pigment) responsible for discoloration, such as melanin in dark spots or hemoglobin in dilated blood vessels. This allows you to successfully resolve discoloration and improve the appearance of the skin safely and effectively. Another use of the 915 nm NIR diode laser is the treatment of varicose veins and small vascular lesions. This laser is able to coagulate the walls of dilated blood vessels or varicose veins, selectively closing them and thus reducing their visibility. This treatment is minimally invasive and requires less recovery time than traditional methods for treating varicose veins. In addition, 915nm NIR diode laser is also used for skin rejuvenation. Stimulates the production of collagen in the skin, improving skin elasticity and tone. This effect can reduce the appearance of wrinkles and fine lines, helping to achieve a younger, fresher appearance.

It should be emphasized that the use of the 915 nm diode laser for aesthetic purposes must be performed by highly qualified professionals, such as doctors and technicians specialized in aesthetic medicine, to ensure safe and effective results. Furthermore, it is important to undergo a preliminary evaluation to determine whether this treatment is appropriate for each patient's specific needs. In summary, the 915 nm diode laser is a versatile and powerful tool used in aesthetic medicine to improve the appearance of the skin, treat skin discoloration, reduce the visibility of varicose veins and promote skin rejuvenation. Thanks to its ability to operate selectively and minimally invasively, it has become an important resource in the world of aesthetic medicine.

### The new legislation

The new legislation allows dentists to "practice non-invasive or minimally invasive aesthetic medicine activities on the upper third, middle third and lower third of the face".

The new publication in the Official Journal will lead to changes such as:

Article 2 of law 409/85 is amended, allowing the dentist to carry out non-invasive or minimally invasive aesthetic medicine activities on the upper third, middle third and lower third of the face.

Article 4, third paragraph of 409/85 is repealed, in this way the graduate in dentistry but also the graduate in medicine will be able to decide to enroll in both registers. For several years we have been bringing our experience to universities with prominent speakers to show the extraordinary potential of our POCKETLASER diode laser. Thanks to its various programs, it allows dentists and their dental team to use it to carry out numerous jobs, as well as in aesthetic medicine, such as:

- **TEETH WHITENING**
- **GUM WHITENING**
- **DESENSITIZE**
- **ENGRAVE**
- **REMOVE**
- **DISINFECT**
- **COAGULATE**
- **VAPORIZ**
- **BIOSTIMULATE**
- **LLLT - LOW LEVEL LASER THERAPY**
- **HPLT - HIGH POWER LASER THERAPY**
- **WHITENING**



# POCKET LASER

## Data sheet

### Power

Internal power supply	Rechargeable battery, 3.7 V, 4.2 Ah, single cell, lithium polymer
External power supply	Input: single phase 100-240 Vac, 50-60 Hz, 0.4 A; Output: 5V, 4A max

### Laser type

Laser power	AlGaAs LASER diode, CW and pulsed, 915 nm ( $\pm 10$ nm), 6 W to fiber ( $\pm 20\%$ ), class 4
Pilot beam	AlGaAs LASER diode, CW, 635-660 nm, 3 mW max (to fiber), class 3 R

### Optical fibers

Fiber type	Fibers: core = silica, reflective layer (cladding) = hard polymer, protective sheath = tefzel (EFTE); N.A. = 0.37; applicable diameters = 200 $\mu$ m, 300 $\mu$ m, 400 $\mu$ m; Nominal beam divergence = F = arcsin (N.A.) = 20.5° = 0.36 rad
Fiber connector	SMA-905
Maximum fiber power	6W ( $\pm 20\%$ )

### Pulsed operating characteristics

Frequency	Frequenza = 20-15000 Hz - duty-cycle = 5-95%
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### Electrical protection

Type	EN 60601-1 class ii
Grade	EN 60601-1 BF

### Protection against liquid penetration

Grade	IP20 POCKET LASER - IP21 pedale wireless
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### Dimensional characteristics

Dimensions (WxHxD) Weight	101x167x42 mm (69 mm depth at the top) 800 g
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### Electromagnetic compatibility

Emissions	EN 60601-1-2 compliant with class B EN
Immunity	60601-1-2 compliant with class B

### Terms of use

Instructions for use	Continuous. Temporary load Not suitable
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Use in the presence of flammable gases, oxygen and nitrogen

### Storage conditions

Temperature	-10°C + 50°C %Rh < 80% non-condensing > 630 hPa
Humidity	
Pressure	

### Operating conditions

Temperature	Da + 10 at + 40
Humidity	°c %Rh < 80%
Pressure	700-1100 hPa



02



## HIGH PRECISION AND VERSATILITY IN POCKET SIZE

PREPARATION

### LEGEND

- C Contact handpiece and related accessories
- S Silver handpiece and related accessories
- Z Zaffiro handpiece and related accessories

		NEW	1	2	3	4	
		COST	EURO 7.235,00	EURO 6.300,00	EURO 6.300,00	EURO 7.000,00	
<b>STARTER KIT</b>	cod. PL-STA-PLD6W	✓	✓	✓	✓	✓	
<ul style="list-style-type: none"> <li>• <b>POCKET LASER</b> with 70 pre-set clinical programs</li> <li>• Wireless foot pedal with long-lasting battery</li> <li>• Power supply kit for recharging lithium batteries for pocket laser units and for wireless foot control</li> <li>• No. 2 white glasses with green 810/1064 nm protective lenses that can be used with the DPI optical frame for NIR diode lasers</li> <li>• Fiber tip preparation paper</li> <li>• USB stick with user manual</li> <li>• Legal warranty</li> <li>• Case</li> </ul>		✓	✓	✓	✓	✓	
<b>SATIN CONTACT HANDPIECE</b>	cod. PL-FT000022	C EURO 150,00	✓	✓	✗	✓	✗
<p>For the reduction of reflections, autoclavable, decomposable and universal, with safe luer-lock connection and compatible with any fiber diameter. Can be used with HCP or ULS fibers</p>		✓	✓	✗	✓	✗	
<b>SET 20 DISPOSABLE NOZZLES WHITE MAC</b>	cod. PL-FT000015	C EURO 30,00	✓	✓	✗	✓	✗
<p>Non-sterile disposable angled tips with luer-lock compatible coupling</p>		✓	✓	✗	✓	✗	
<b>FIBER CUTTER KIT</b>	cod. PL-LDA00013	C EURO 70,00	✗	✓	✗	✓	✗
<p>Useful tool for cutting, management, measurement and maintenance of optical fibers, HCP/ULS of different diameters</p>		✗	✓	✗	✓	✗	
<b>HCP 200 OPTICAL FIBER <math>\mu\text{m}</math> 2 MT</b>	cod. PL-LPA00200	C EURO 194,00	✗	✓	✗	✓	✗
<p>with SMA 905 connection. Optical fiber with high resistance polymer coating. Universal, endodontics. Autoclavable</p>		✗	✓	✗	✓	✗	
<b>HCP 400 OPTICAL FIBER <math>\mu\text{m}</math> 2 MT</b>	cod. PL-LPA00400	C EURO 230,00	✗	✓	✗	✓	✗
<p>Optical fiber with high resistance polymer coating. Universal, surgery. Autoclavable</p>		✗	✓	✗	✓	✗	

## HIGH PRECISION AND VERSATILITY IN POCKET SIZE

		COST	KIT Aesthetic	KIT 1 Advanced	KIT 2 Advanced Plus	KIT 3 Professional	KIT 4 Professional Plus
<b>SILVER HANDPIECE</b> cod. PL-HPD-311S08-S		<b>EURO 550,00</b>	✓	✓	✓	✓	✓
With SMA 905 connection. for the use of different autoclavable terminals: interchangeable tips with integrated 200-300-400 µm optical fibers, intra- and extra-oral biostimulation tip and whitening arc							
<b>TERMINAL FOR ARC WHITENING</b> cod. PL-W670		<b>EURO 150,00</b>	✓	✗	✓	✗	✓
<b>INTRAORAL BIOSTIMULATION</b> cod. PL-B670-8A		<b>EURO 150,00</b>	✓	✗	✓	✗	✓
<b>TERMINAL FOR EXTRAORAL BIOSTIMULATION</b> cod. PL-TM670		<b>EURO 150,00</b>	✓	✗	✓	✗	✓
<b>COLLIQUATED TIP</b> cod. PL-TM670-10		<b>EURO 195,00</b>	✗	✓	✗	✓	✗
Defocused terminal with collimated lens for biostimulation, low level laser therapy, high power laser therapy and whitening. Sterilizable.							
<b>N. 3 PACKS OF LASER TIP</b> of 5 pieces each, one per type:							
<b>TIP LASER 200 µm – pack of 5 pieces</b> cod. PL-TP-200-15-S		<b>EURO 48,00</b>	✓	✗	✓	✗	✓
Multipurpose tip with integrated autoclavable and reusable optical fiber. The tips can be inserted and removed from the silver handpiece with maximum convenience and speed. Tip length: 15 mm							
<b>TIP LASER 300 µm – pack of 5 pieces</b> cod. PL-TP-300-10-S		<b>EURO 48,00</b>	✓	✗	✓	✗	✓
Multipurpose tip with integrated autoclavable and reusable optical fiber. The tips can be inserted and removed from the silver handpiece with maximum convenience and speed. Tip length: 10 mm							
<b>TIP LASER 400 µm – pack of 5 pieces</b> cod. PL-TP-400-10-S		<b>EURO 48,00</b>	✓	✗	✓	✗	✓
Multipurpose tip with integrated autoclavable and reusable optical fiber. The tips can be inserted and removed from the silver handpiece with maximum convenience and speed. Tip length: 10 mm							
<b>SAPPHIRE HANDPIECE</b> cod. PL-LHC3000		<b>EUR 495,00 + 285,00 (HANDPIECE + ADAPTER)</b>	✗	✗	✗	✓	✓
With SMA 905 connection. Surgical handpiece for sapphire tips, supplied with ADAPTER FOR SAPPHIRE TIPS (CODE PL-LPC3002). One of a kind, it combines the characteristics of the cold blade scalpel with the advantages of the laser.							
<b>CONICAL SAPPHIRE TIP CHISEL</b> - Autoclavable cod. PL-ZCT500		<b>EURO 150,00</b>	✗	✗	✗	✓	✓
<b>SAPPHIRE TIP</b> Flat prismatic tip, autoclavable cod. PL-ZST600		<b>EURO 150,00</b>	✗	✗	✗	✓	✓



SATIN CONTACT HANDPIECE cod. PL-FT000022



SET 20 DISPOSABLE NOZZLES WHITE  
MAC cod. PL-FT000015



COLLIAMATED TIP cod. PL-TM670-10



TERMINAL FOR EXTRAORAL BIOSTIMULATION  
cod. PL-TM670



FIBER WOODWORK KIT cod. PL-LDA00013



SAPPHIRE HANDPIECE cod. PL-LHC3000



ARC WHITENING TERMINAL cod. PL-W670



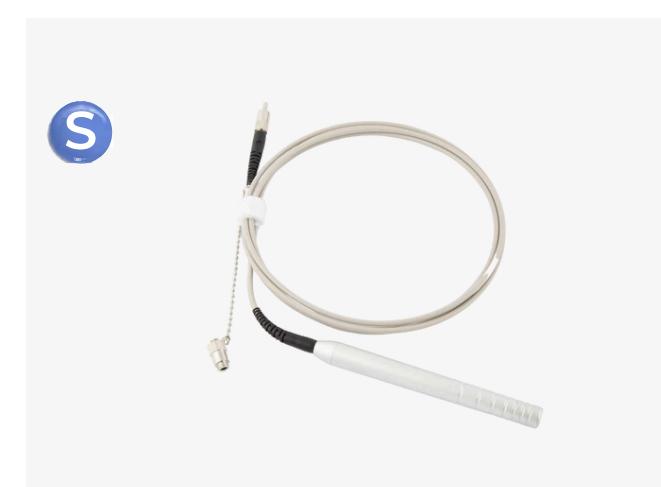
TERMINAL FOR INTRAORAL BIOSTIMULATION  
cod. PL-B670-8A



CONICAL SAPPHIRE TIP cod. PL-ZCT500



SAPPHIRE CHISEL TIP cod. PL-ZST600



MANIPOLO SILVER cod. PL-HPD-311S08-S



TIP LASER 200  $\mu$ m, 15 mm cod. PL-TP-200-15-S  
TIP LASER 300  $\mu$ m, 10 mm cod. PL-TP-300-10-S  
TIP LASER 400  $\mu$ m, 10 mm cod. PL-TP-400-10-S

## Other accessories



### FIBRA OTTICA ULS 200 µm 2 MT

Cod. PL-LPA00201



ON REQUEST

With SMA 905 connection. Ready-to-use optical fiber (without polymer coating), easy to use. Universal, particularly suitable for endodontic applications. Autoclavable



### HCP OPTICAL FIBER 300 µm 2 MT

Code PL-LPA00300



EURO 215,00

With SMA 905 connection. Optical fiber with high resistance polymer coating. Universal, conservative, prosthesis. Autoclavable



### PLANE WAVE TERMINAL

Cod. PL-BT5008



ON REQUEST

Innovative high-performance defocused terminal for biostimulation, low level laser therapy, pain relief and aesthetic therapy applications



### ADAPTER FOR SAPPHIRE TIPS

Cod. PL-LPC3002



EURO 285,00

Already supplied when purchasing the sapphire handpiece

### FIBRA OTTICA ULS 320 µm 2 MT

Cod. PL-LPA00320



EURO 265,00

With SMA 905 connection. Ready-to-use optical fiber (without polymer coating), easy to use. Universal, conservative, prosthesis. Autoclavable

### HCP OPTICAL FIBER 600 µm 2 MT

Code PL-LPA00600



EURO 286,00

With SMA 905 connection. Highly resistant optical fiber (without polymer coating). Universal, endoscopy. Autoclavable



### MULTIFUNCTIONAL KIT

for biostimulation and whitening  
coo of tips - Code PL-MF

TIPS EURO 1.000,00mprensiv

- **SILVER HANDPIECE** - cod. PL-HPD-311S08-S
- **ARC WHITENING TERMINAL** - cod. PL-W670
- **TERMINAL FOR INTRAORAL BIOSTIMULATION** - cod. PL-B670-8A
- **TERMINAL FOR EXTRAORAL BIOSTIMULATION** - cod. PL-TM670
- **3 PACKS** of 5 pieces each. OF **TIP LASER**, one per type: 200 µm (code PL-TP-200-15-S), 300 µm (code PL-TP-300-10-S) and 400 µm (code PL-TP-400-10-S)



### FOCUSING HANDPIECE

Cod. PL-FOCUSING HANDPIECE

EURO 540,00

Handpiece specifically designed for intraoral, perioral, dermoaesthetic and vascular applications, including the treatment by photothermocoagulation of low-flow vascular malformations and telangiectasias.

#### SPECIFICATIONS:

- Fiber 300um, 400um
- SMA905 connector
- Confocal magnification: 1:1 Beam diameter: selectable between 0.5 mm, 1mm, 2mm and 3mm.



### THERAPY HANDPIECE

Cod. PL-THERAPY HANDPIECE

EURO 1.100,00

Tissue biostimulation and biomodulation procedures. E.g. TMJ biostimulation, muscle tissue biomodulation, skin biomodulation, aesthetic applications. Pain relief, reduction of inflammation, promotion of healing processes, revitalization

#### SPECIFICATIONS:

- Defocused handpiece with SMA-905 universal connection, equipped with interchangeable optical terminals.
- Adjustable spot area depending on the terminal used, between: 7mm, 15mm, 30mm



### BATTERY FOR POCKET LASER UNIT

Cod. PL-RIC00309

EURO **80,00**

4200 MAH, 3.7 V battery. Already supplied when purchasing the Starter Kit



### CASE FOR POCKET LASER

Code. PL-LDA00202

EURO **98,00**

Case for transporting Pocket Laser and related accessories. Already supplied when purchasing the Starter Kit



### WHITE GLASSES with green lenses

Cod. PL-LDA00105

EURO **165,00**

For operators and patients, they provide complete protection and can be used with most optical frames. PPE for NIR diode lasers.

2 pieces already supplied when purchasing the Starter Kit



### POWER KIT

Cod. PL-RIC00310

EURO **79,00**

Universal power supply for Pocket Laser units and wireless foot control. Already supplied when purchasing the Starter Kit



### WIRELESS PEDAL

Cod. PL-RIC00305

EURO **476,00**

Wireless pedal with long-lasting battery for hands-free use. Each pedal is set to respond only to one Pocket Laser unit. Already supplied when purchasing the Starter Kit

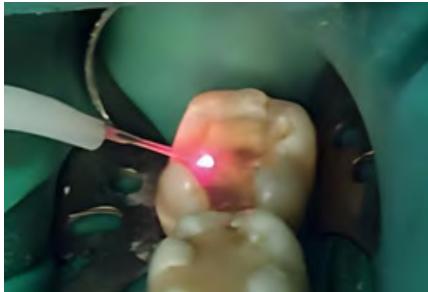


[Find out on the site](#)

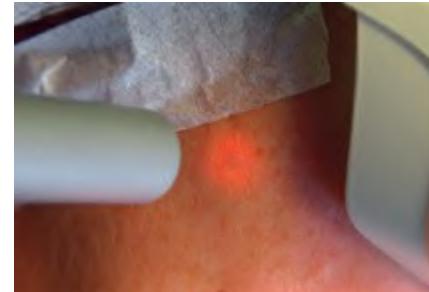
## Clinic evaluation



In Endodonzia le possibili applicazioni spaziano dalla condensazione e rimozione della guttaperca, alla decontaminazione canale ed all'attivazione degli irriganti.



Decontaminazione di smalto e dentina in odontoiatria conservativa.



Biostimolazione in caso di algia dell'atm.



Scopertura implantare.



### Immagine 1 e 2

Anchiloglossia in un paziente adulto con importante limitazione nell'escursione dei movimenti linguali.



Allungamento di corona clinica e realizzazione di un provvisorio diretto.



### Immagine 4

Guarigione per seconda intenzione a 7 giorni.



### Immagine 5 e 6

Follow-up a 60 giorni: raggiungimento di una adeguata mobilità, previa rieducazione funzionale.

# E-Align

## THE MILLING MACHINE UTILIZED FOR THE PROCESSING OF THERMOFORMED MASKS.

### Optimize your workflow without the use of compressed air.

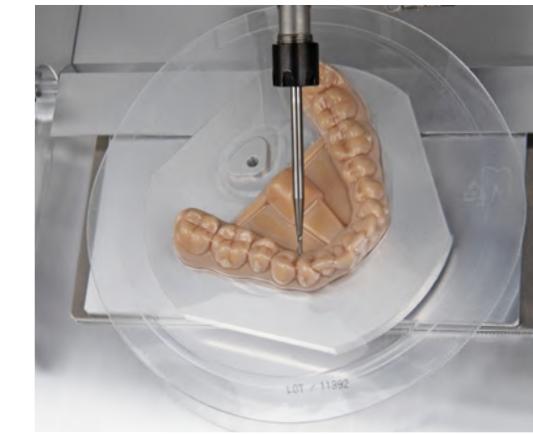
With E-Align, you automate the precise separation of deep-drawn masks. Achieve optimal results in the shortest time possible, all without the need for laborious rework. Furthermore, by utilizing automated production, you guarantee consistently high quality.

Thanks to its straightforward commissioning and operation, the E-Align seamlessly integrates into your work processes. Utilizing planning data, the proprietary TRIMCAM software automatically identifies the Trimline from which the template is to be milled, allowing you to commence immediately.

Always guided by the motto: unpack, power on, and commence milling!

### No compressed air required

The distinctive innovation of the E-Align lies in its elimination of compressed air: specifically, the E-Align does not necessitate an external compressed air connection or the installation of a compressor. This advancement is made possible by the patent-pending AIRTOOL. The turbine blades of the AIRTOOL, through a high number of rotations of the high-frequency spindle, produce a robust airflow that keeps the raw material free from chips and dust, which are subsequently removed by suction.



## FOCUS



### INNOVATIVE

Tool-free installation of the thermoforming film in seconds. Automatic Trimline detection. Enhanced machine architecture due to decreased weight. Modular machine design for streamlined maintenance and service.



### INDEPENDENT

Effortless and efficient separation of thermoformed masks from various material manufacturers utilizing TRIMCAM software, which features an open interface for planning software integration.



### ECONOMIC

Sustainable operation is achieved through the elimination of compressed air. Environmentally friendly shipping is facilitated by the machine's lightweight design. The outstanding price-performance ratio allows for an accessible entry into CNC production. Operation is remarkably simple, thanks to the included TRIMCAM software, which incurs no licensing fees.



### RAPID AND ACCURATE

800-watt spindle equipped with 60,000 rpm. Durable cast aluminum chassis. Complete Aligner machining in under 60 seconds.



### DEPENDABLE AND ACCURATE

100% developed and manufactured in Germany. Optimal production outcomes and extended service life are achieved through the exclusive utilization of premium industrial components. 24-month warranty.

### Wet Grinding and Dry Milling

3 + 1 AXES | THERMOFORMED MASKS | ALIGNER < 60 sec | DRY | MILLING | SOFTWARE INCLUDED

PUREWATER technology guarantees that the machine's closed liquid circuit operates without the need for any grinding additives. This not only facilitates easy disposal but also contributes to lower operating costs.

The optional dry tank enables the milling of materials such as zirconia, PMMA, and various composites with your E-Align, eliminating the necessity for cooling water or compressed air.

### Why choose the E-Align milling machine?



- ⌚ No compressed air required due to the patent-pending AIRTOOL.
- ⌚ Repeatability accuracy of 3 µm
- ⌚ Developed and manufactured entirely in Germany.
- ⌚ 800-watt spindle with 60,000 rpm; repeat accuracy of 3 µm.
- ⌚ Robust aluminum construction
- ⌚ DENTALCAM software featuring an open interface compatible with any scanner and material.

# E-Align

## TOMORROW'S CUTTING-EDGE TECHNOLOGY, ACCESSIBLE TODAY

### Technical Data Sheet

#### FOUNDATIONAL SYSTEM

Dimension (W/D/H)	360 × 370 × 490 mm with the door closed · 360 × 420 × 490 mm with the door open
Weight	25 kg
Mechanism	3+1 Axis
Rotary Axis B	Rotation angle: 360 degrees, infinite
Indications	Aligners and other facial masks

#### PROCESSING TECHNIQUES

Dry processing	Operation without compressed air and suction
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#### SPINDLE

High-frequency spindle with an electromechanical tool changer
Number of revolutions reaching 60,000 rpm
Power output (Pmax): 800 watts Continuous power (S1): 450 watts
Double hybrid bearings featuring ceramic spheres
ER8 collet designed for securing a tool with a shank diameter of 3 mm.

#### MILLING MATERIALS (BLOCKS AND PRE-MILLED ONLY)

Thermoplastic discs
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#### CONNECTION SPECIFICATIONS

Compressed air	-
Voltage supply	100-240 Volts · 50/60 Hz, 320 Watts
Aspiration	-
Data	10/100/1000 MBit/s BaseT port (automatic detection) Ethernet through RJ-45 connection

#### SUPPLY QUANTITY

Cam software	TRIMCAM software for aligner production included.
Accessories	Calibration kit including pointer measuring screw · Torx screwdriver set · Torque screwdriver 1.5 Nm · Cleaning brush · Cleaning brush and microfiber cloth · Utility knife (2 pcs.) · Torque wrench · Open-end wrench · Network cable · Ethernet cable

#### APPROVALS

All models	CE
Model for North America	UL 61010-1, CAN/CSA C22.2 No. 61010-1

#### ENVIRONMENTAL FACTORS

Operating temperature	between 10°C and 35°C
Atmospheric humidity	max. 80% (relative), non-condensing

#### AUTOMATION

Control electronics	Continuous scrolling and dynamic precalculation · Near-hardware real-time operating system featuring a standard command set · Processing with integrated FPGA · Upgradeable hardware · Real-time path and ramp calculation through a dedicated hardware engine in the FPGA · Four-quadrant motor control for exceptionally quiet operation · Multiple digital I/Os for peripheral management · Integrated converter for synchronous and asynchronous motors, with electronic cut recognition · Ethernet and USB interfaces · RGB LED lighting with status display
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# E-Four

## THE CUTTING-EDGE MILLING MACHINE FOR IMMEDIATE ACCESS TO DENTISTRY.

### Optimize your workflow without the use of compressed air

The new E-Four provides a seamless entry into chairside dental prosthetic production, offering unparalleled flexibility. Integrate the E-Four with your preferred intraoral scanner, any CAD software, and materials tailored to your patients' needs. Serving as the central hub of your workflow, the E-Four facilitates the creation of impeccable restorations. Its versatility is noteworthy; it can wet grind glass ceramics or composites containing ceramic elements, as well as dry mill materials such as zirconium and PMMA. A minor adjustment yields significant benefits. The quick-change features allow for the easy insertion of the wet processing tank or the optional dust collector, enabling the efficient production of high-quality restorations. A specialized filter mat within the liquid tank ensures that it remains free of debris.



## FOCUS



### INNOVATIVE

No compressed air is necessary due to the patent-pending AIRTOOL. The machine structure has been optimized through weight reduction. A multi-compartment design is available for the coolant tank or an optional dry milling container.



### IT REQUIRES

PRECISE

800-watt spindle with 60,000 rpm; repeat accuracy of 3 µm.

24-month warranty



### RELIABLE

Developed and manufactured entirely in Germany, the E-Four ensures remarkable results and optimal reliability. Despite its compact dimensions, this machine incorporates only high-quality industrial components. Weighing a mere 28 kg and operating without compressed air, the E-Four provides exceptional flexibility in installation. Furthermore, it can be positioned anywhere. Always adhering to the motto: unpack, switch on, and commence milling!



### ECONOMIC

Sustainable operation is achieved through the elimination of compressed air. PUREWATER technology guarantees that no grinding additives are necessary for the coolant. Environmentally friendly shipping is facilitated by the machine's low weight. The outstanding price-performance ratio ensures a cost-effective entry into in-house production. Operation is remarkably straightforward, thanks to the included DENTALCAM software, featuring DIRECTMILL Technology—without any licensing fees.



### No compressed air required due to the AIRTOOL system.

The distinctive innovation of the E-Four lies in its elimination of compressed air: the E-Four does not necessitate an external compressed air connection or the installation of a compressor. This advancement is made possible by the patent-pending AIRTOOL. The turbine blades of the AIRTOOL, through a high number of rotations of the high-frequency spindle, produce a robust airflow that keeps the workpiece free from chips and dust, which are subsequently removed by suction.

### Wet Grinding and Dry Milling

4 AXES | 1 BLOCK | 7 TOOLS | WET and DRY | SANDING and MILLING | CAM SOFTWARE INCLUDED

PUREWATER technology guarantees that the machine's closed liquid circuit operates without the need for any grinding additives. This not only facilitates easy disposal but also leads to lower operating costs for you.

The optional dry tank enables the milling of materials such as zirconium, PMMA, and various composites with your E-Four, eliminating the necessity for cooling water or compressed air.

### Why choose the E-Align milling machine?



- 🦷 No compressed air required due to the patent-pending AIRTOOL.
- 🦷 Repeatability accuracy of 3 µm
- 🦷 Developed and manufactured entirely in Germany.
- 🦷 800-watt spindle with 60,000 rpm; repeat accuracy of 3 µm.
- 🦷 Robust aluminum construction
- 🦷 DENTALCAM software featuring an open interface compatible with any scanner and material.

# E-Four

## THE CUTTING-EDGE MILLING MACHINE FOR SAME-DAY DENTAL ACCESS.



### Technical Data Sheet

#### FOUNDATIONAL SYSTEM

Dimension (W/D/H)	360 x 370 x 490 mm with the door closed 360 x 420 x 490 mm with the door ajar
Weight	approximately 28 kg
Mechanism	4 assets
Axis of Rotation A	Rotation angle: From +190° to -10°
Directions	Crowns, bridges, inlays, onlays, cosmetic veneers, zirconia abutments, screw-retained crowns. Integrated clipboard

#### AUTOMATION

Tool modification	Tool magazine accommodating 16 tools with a designated area for an AIRTOOL. Length measurement and tool breakage monitoring facilitated by a precision measuring probe. Access to the work compartment door includes a safety lock.
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#### ENVIRONMENTAL FACTORS

Temperature	between 10°C and 35°C
Air moisture	max. 80% (relative), non-condensing

#### MILLING MATERIALS (BLOCKS AND PRE-MILLED ONLY)

Composites, plastic/wax, glass ceramic, zirconium blocks measuring up to 45 x 20 x 20 mm. Applications include crowns, bridges, inlays, onlays, veneers, zirconium abutments, and screw-retained crowns. Integrated block holder.
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#### PROCESSING TECHNIQUES

Dry and wet processing	Two nozzles on the spindle Integrated coolant tank PUREWATER technology: no grinding additives necessary
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Dry operation	Operation without compressed air is facilitated by the AIRTOOL hose connection for an external vacuum cleaner located at the rear of the housing. A 24 V switching output is available for operating suction units. A dry container is optionally required.
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#### SPINDLE

Spindle	high frequency with electromechanical tool exchange
Number of rotations	up to 60,000 rotations per minute
Power output (Pmax):	800 Watt
Peak power (S6)	400 Watt
Continuous power (S1)	300 Watt
Bearings	Double hybrid bearings featuring ceramic balls
Clamping pliers	Collet designed for tools with a shank diameter of 3 mm and a maximum overall length of 40 mm.

#### CONNECTION SPECIFICATIONS

Compressed air	-
Current	100-240 Volts · 50/60 Hz,
Aspiration	Filter class M, airflow 2,500 l/min, vacuum 200 hPa
Data	10/100/1000 MBit/s BaseT port (automatic detection) Ethernet through RJ-45 connection

#### SUPPLY VOLUME

Software Computer-Aided Manufacturing	DENTALCAM software is included.
Accessories	Spindle service kit Calibration kit including pointer measuring screw Tool magazine insert (1 piece) Torx screwdriver set Torque screwdriver 1.5 Nm AIRTOOL for PMMA/wax Drill (tool positions) Cleaning brush and microfiber cloth Administered Tool Board (ATB) for tool storage
	Ethernet network cable

#### APPROVALS

All models	THIS
Model for North America	UL 61010-1, CAN/CSA C22.2 No. 61010-1

# E-Five

## OPTIMISE YOUR DIGITAL WORKFLOW AND ENJOY THE ULTIMATE IN FREEDOM

### Optimize your workflow without the use of compressed air.

Enhance your digital work management, experience unparalleled freedom, and attain optimal and efficient results at the highest standard. All in a straightforward and intuitive manner. Five-axis dry milling delivers exceptional excellence, ensuring superior performance. Its user-friendly design makes it highly accessible.

By utilizing AIRTOOL technology, you will eliminate the need for compressed air.

## FOCUS



### INNOVATION

No compressed air is necessary due to the patent-pending AIRTOOL. The machine structure is optimized through reduced weight. A C-support facilitates 90° machining of anterior teeth (in preparation). The modular design of the machine allows for efficient maintenance and servicing.



### RELIABILITY

100% developed and manufactured in Germany. Optimal production outcomes and extended service life are ensured through the exclusive utilization of premium industrial components. 24-month warranty.



### ECONOMIC

Sustainable operation is achieved through the elimination of compressed air. Environmentally friendly shipping is facilitated by the machine's lightweight design. In the laboratory, it allows for a swift and cost-effective transition into CAM production. The operation is exceptionally straightforward, thanks to the included DENTALCAM CAM software with DIRECTMILL Technology—incurred no licensing fees.



### INDEPENDENT

Mills nearly all materials, including CoCr sintered metals, into 98.5 mm discs; holders for 110 mm discs and blocks are also available. The maximum indication range is enhanced by a rotation angle of ± 35° in the fifth axis, accommodating blanks up to 40 mm in thickness. DENTALCAM software features an open interface compatible with any scanner and material.



### FAST AND ACCURATE

800-watt spindle with 60,000 rpm  
Repeatability of 3 µm  
Sturdy aluminum construction



### No compressed air required due to the AIRTOOL system.

The distinctive innovation of the E-Five lies in its elimination of compressed air: the E5 does not necessitate an external compressed air connection or the installation of a compressor. This advancement is made possible by the patent-pending AIRTOOL. The turbine blades of the AIRTOOL, through a high rotational speed of the high-frequency spindle, produce a robust airflow that keeps the workpiece free from chips and dust, which are subsequently removed by suction.



### The cutting-edge milling machine for digital dental technology in laboratories and dental practices.

5 AXES | 6 BLOCKS | 17 TOOLS | 1 DISC | DRY | MILLING | CAM SOFTWARE INCLUDED

The E-Five milling machine is a state-of-the-art 5-axis solution that provides exceptional flexibility and versatility for dental applications. It features a robust 800-watt spindle capable of achieving speeds up to 60,000 rpm, facilitating precise and rapid machining of materials such as composites, sintered metals like CoCr, zirconium, and PMMA. Its operation without the need for compressed air contributes to reduced operating costs. Furthermore, the automatic tool changer for 16 tools and the AIRTOOL option enhance the milling process. The included CAM software, DENTALCAM with DIRECTMILL Technology, requires no additional licensing, ensuring straightforward and intuitive operation. Consequently, the E-Five milling machine stands as a leading solution for the digital fabrication of dental restorations, delivering high performance and reliability.

### Why choose the E-Five milling machine?



- 🦷 No compressed air required, thanks to the patent-pending AIRTOOL.
- 🦷 C-support for 90° processing of anterior teeth (in development)
- 🦷 Optimal production outcomes and extended service life are achieved through the exclusive utilization of premium industrial components.
- 🦷 800-watt spindle with 60,000 rpm; repeat accuracy of 3 µm.
- 🦷 No compressed air is necessary.
- 🦷 DENTALCAM software featuring an open interface compatible with any scanner and material.

## FOUNDATIONAL SYSTEM

Dimension (W/D/H)	472 x 484 x 734 mm with the door closed 472 x 567 x 734 mm with the door open
Weight	approximately 43 kg
Mechanism	5-axis
Axis of rotation A	rotation angle: 360°, unlimited
Application	Crowns, bridges, inlays, onlays, aesthetic veneers, occlusal splints, complete dentures, denture frameworks, implant support bars, abutments, screw-retained crowns, screw-retained bridges, drilling guides, primary crowns, secondary crowns, plate models, trial grafts

## PROCESSING TECHNIQUES

Dry operation	Operation without compressed air is facilitated by the AIRTOOL hose connection for the external vacuum cleaner located at the rear of the housing, along with a 24 V switching output for the operation of suction units.
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## SPINDLE

High-frequency spindle with an electromechanical tool changer
Number of revolutions up to 60,000 revolutions per minute
Power output (Pmax): 800 Watts Peak power (S6): 400 Watts Continuous power (S1): 300 Watts
Double hybrid bearings featuring ceramic spheres

## MILLING MATERIALS (BLOCKS AND PRE-MILLED ONLY)

Collet for tools featuring a shank diameter of 3 mm and a maximum overall length of 40 mm.
Composites, plastic/wax, zirconium, sintered metal CoCr · Discs, thickness 10–40 mm, diameter 98.5 mm · Blocks measuring up to 40 x 20 x 20 mm (requires a specialized block holder)

## CONNECTION SPECIFICATIONS

Compressed air	-
Power supply	100-240 Volts · 50/60 Hz, 500 Watts
Aspiration	Filter class M, airflow 2,500 l/min, vacuum 200 hPa
Data	10/100/1000 MBit/s BaseT port (automatic detection) Ethernet through RJ-45 connection

## SUPPLY VOLUME

CAM Software	DENTALCAM software is included.
Accessories	Spindle service kit Calibration kit including pointer measuring screw Tool magazine insert (1 piece) Torx screwdriver set Torque screwdriver 1.5 Nm AIRTOOL for PMMA/wax Drill (tool positions) Cleaning brush and microfiber cloth Administered Tool Board (ATB) for tool storage Ethernet network cable



E-five

Code: 885-264560

Find out on the site

# E-Five

ENHANCE YOUR DIGITAL WORKFLOW AND EXPERIENCE UNPARALLELED  
FREEDOM.

## Technical Data Sheet

### APPROVALS

All models	CE
Model for North America	UL 61010-1, CAN/CSA C22.2 No. 61010-1

### AUTOMATION

Tool change	Tool magazine for 16 tools with a designated area for an AIRTOOL. Length measurement and tool breakage monitoring through a precision measuring probe. Access to the work compartment door includes a safety lock.
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### ENVIRONMENTAL FACTORS

Temperature	between 10°C and 35°C
Air moisture	max. 80% (relative), non-condensing

### FOUNDATIONAL SYSTEM

Structure	Robust aluminum construction
Accommodation	High-gloss white-painted door opens upward toward the work compartment.
Number of axes	5
Linear axes X, Y, and Z	Precision ball bearing actuator motor with a resolution of less than 1 µm. Smooth precision guides constructed from high-alloy steel. Repeat accuracy of $\pm 0.003$ mm.
Rotary Axis A	Backlash-free deformation wave gears with optimal angular precision Rotation angle: 360°, infinite
Rotary Axis B	Backlash-free deformation wave gears featuring maximum angular precision Rotation angle: $\pm 35^\circ$
Control electronics	5-axis simultaneous control electronics featuring continuous scrolling and dynamic precalculation · Near-hardware real-time operating system with a standard command set · Integrated FPGA processing · Upgradeable hardware · Real-time path and ramp calculation through a dedicated hardware engine in the FPGA · Four-quadrant motor control for exceptionally quiet operation · Multiple digital I/Os for peripheral management · Integrated converter for synchronous and asynchronous motors, with electronic cut recognition · Ethernet and USB interfaces · RGB LED lighting with status indication

# EASY 53

COMMENCE WORK IMMEDIATELY  
WITHOUT CONCERNS.

## Autonomous Intelligent Dental Milling Machine

Effortless to install and user-friendly, the EASY53 milling machine is distinguished by its rapid setup and precision in sanding and milling. Compact, high-performing, and cost-effective, it represents state-of-the-art technology accessible to professionals eager to embrace innovation. Beyond its contemporary design, it features a light band that signals work progress. With the integrated Cam UP-3D software, it offers an uncomplicated and intuitive digital experience.

## FOCUS

### MACHINE AND SOFTWARE FULLY DEVELOPED BY UP3D

The software and hardware are developed independently by UP3D, featuring core technology, an intelligent control system, and seamless integration.

### SMART INITIALIZATION

The inaugural milling machine featuring fully automated calibration and intelligent initialization.

### REMOTE CONNECTION

A unified platform manages all milling machines and facilitates real-time monitoring of the production status across multiple machines.



### PROGRESS BAR ILLUMINATION - LED

The machine will indicate the progress of processing. Minimize staff inspection duration.



88  
dent

## Applications

The extensive array of materials available for milling and smoothing offers numerous possibilities, enabling the optimal solution to be identified for each patient.

The EASY-53 milling machine is capable of processing the following materials:

Zirconia, wax, PMMA, PEEK, and flexible materials



## Sophisticated functions yet user-friendly.

5 AXES | 1 BLOCK | 11 TOOLS | DRY | RAPID INSTALLATION

The EASY 53 milling machine enables the creation of restorations in a straightforward, rapid, and precise manner (Cops: Zirconia - 10 min, Wax - 4.5 min; Crowns: Zirconia - 13 min, Wax - 5.5 min) in ultra HD in under 10 minutes. The blocks are secured in merely 2 seconds, and the electric spindle operates at a high frequency of 100,000 rpm.

The DentalCAM software suite facilitates the importation of STL files from leading CAD software available in the market.

The EASY53 milling machine eliminates the need for an external laptop, as it features a built-in PC with a touchscreen and WLAN capabilities. Additionally, the integrated compressor negates the requirement for an external compressed air supply. It operates using pure water without additives and is outfitted with precision tools suitable for processing all material classes.

## Why choose the Easy-53 milling machine?



- 🦷 Machine and software fully developed by UP3D.
- 🦷 The software and hardware are developed independently by UP3D, featuring core technology, an intelligent control system, and seamless integration.
- 🦷 Intelligent Initialization
- 🦷 The inaugural milling machine featuring fully automated calibration and intelligent initialization.
- 🦷 Remote connectivity
- 🦷 A unified platform manages all milling machines and facilitates real-time monitoring of the production status across multiple machines.
- 🦷 LED light progress indicator
- 🦷 The machine will indicate the progress of processing. Minimize staff inspection duration.
- 🦷 Self-Installation Video

# EASY 53

COMMENCE WORK IMMEDIATELY  
WITHOUT CONCERNs.



## Easy-53 5-Axis Milling Machine\*

Cod. P53 Milling Machine

### Possibility Kit Easy Ready

Code: 88S-246318

Kit Frese

Cam Up 3D

FREE

Dedicated PC  
vacuum cleaner

\*assembly and transportation excluded

[Find out on the site](#)

\*CAM UP 3D included



## Technical Data Sheet

### FOUNDATIONAL SYSTEM

Dimension (W/D/H)	443.5×718×628.5 (mm)
Weight	79 kg
Mechanism	Concurrent motion across five axes
Axis of Rotation A	Rotation angle: 360°, infinite
Milling volume	X/Y/Z: 170/215/105 mm A: ±30° B: 360°
Milling time	Caps: Zirconia - 10 minutes, Wax - 4.5 minutes Crowns: Zirconia - 13 minutes, Wax - 5.5 minutes

### PROCESSING TECHNIQUES

Dry operation	Operation without compressed air is facilitated by the AIRTOOL hose connection for an external vacuum cleaner located at the rear of the housing. A 24 V switching output is provided for the operation of suction units.
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### SPINDLE

Maximum rotational velocity	40,000~60,000rpm
Maximum feed rate	3000mm/min
Tool storage compartment	11 tools
Tool change	Automatic (air pressure > 0.5 MPa)
Spindle refrigeration	Compressed air (air pressure 0.25–0.35 MPa)
Spindle power	0.52kW (max)
Maximum power absorbed	0.8kW
Tool diameter	2+1+0.6 (Φ4)

### MILLING MATERIALS

Zirconia, wax, PMMA, PEEK, and flexible materials

# MIXER

## THE FIRST MIXER THAT SIMULTANEOUSLY MIXES AND HEATS THE RESIN

### The groundbreaking resin mixer that was previously absent.

This is an advanced UV resin mixer. UV resins are increasingly becoming chemically sophisticated, necessitating greater attention to their preparation for printing.

Thanks to a stream of heated air, the Mixer rapidly warms the resin. This facilitates the blending of heated and fluidized molecules, allowing them to come into close contact through a gentle rolling motion.

The exclusive heating system enables the resin to attain the appropriate viscosity prior to printing. A sustained, gentle mixing action facilitates contact among the resin molecules without generating bubbles. Once the resin bottle is positioned within the operational machine, it will be prepared for use within a few minutes, aided by the heating effect of the blown air. The temperature can be adjusted via a digital thermostat, ranging from 0°C to 45°C.

## FOCUS



### REDUCTION OF CARBON DIOXIDE EMISSIONS

Innovation in 3D business production processes has resulted in a reduction of CO2 emissions by one-tenth compared to conventional 3D printers available in the market, paving the way for a more sustainable future.



### RESIN MIXING

Mixer 1 can accommodate all bottles measuring up to 260mm in length and 130mm in diameter, regardless of their shape. Thanks to the universal adapter, you can prepare any bottle for printing, including square ones. The adapters can subsequently be stored in the convenient side compartment.



### DOES NOT INCLUDE AIR

By rotating the resin bottles, Mixer 1 guarantees optimal mixing while preventing the incorporation of air. This obviates the necessity to wait for air bubbles generated by manual agitation to dissipate. Additionally, it minimizes the exposure of the resin to air, which could rapidly undermine its quality.



MIXER

cod. 3DB-MIXER-1

[Find out on the site](#)

### TECHNICAL SPECIFICATIONS

Dimensions and weight of the mixer. 19 x 32.5 x 17 cm 2.4 kg

Packaging specifications and mass 25x35x23 cm 3.5 kg

Internal volume measurements Max. diameter 130mm Max. height 255mm

Energy Isolated power supply 12V 5A

Average consumption 0,025KW/ora

Maximum temperature 45°C

### Why choose the MIXER?



🦷 Essential

🦷 Easy

🦷 Fast

🦷 Compact

🦷 Silent

# GALAXY 6 PLUS

NO COMPROMISES FOR YOUR MOST AMBITIOUS PROJECTS

## The format that was nonexistent

Galaxy 6 PLUS is a medium-format professional 3D printer. It is exceptionally fast, precise, and compact, tailored for laboratories and studios. By electronically controlling the resin temperature and print volume, the printer achieves remarkable reliability and performance.

Galaxy 6 PLUS is also manufactured by various 3D printers utilizing specially developed, predominantly biodegradable materials.

Furthermore, the Light Box 2 is the UV chamber designed for integration with the printer. Simply press a button, and polymerization commences: an efficient and rapid method to finalize the post-treatment cycle.

## FOCUS



### DYNAMIC PROFILE

The layers are printed under optimal conditions due to the implementation of this technology. Each printing parameter is automatically refined layer by layer to guarantee the highest possible outcome in terms of speed, precision, and reliability.



### USER-FRIENDLY

Once connected to the network, whether through cable or Wi-Fi, you can effortlessly access the printer's operational interface using a browser like Google Chrome or Edge.



### THERMAL INSULATION

The machines are distinguished by their low thermal conductivity, which guarantees superior thermal and acoustic insulation capabilities.

This feature contributes to a reduction in energy consumption.



### TRANSPARENT RESINS

3D Business has created a uniquely optimized version designed to print entirely transparent resins with exceptional precision. In contrast to standard printers, the Galaxy 6 Plus can print transparent resins with a remarkable level of accuracy.



### ACCESSORIES: VAT REST 2 HT

With Vat Rest 2, you consistently maintain the quality of your resin derived from waste. A key advantage of the VAT REST 2HT is its capability to preheat and mix the resin directly within the tray, eliminating the need for removal. This feature is essential as it enables time savings and minimizes the risk of contamination.



## Type of print

Dynamic profiles are cutting-edge algorithms developed by 3D Business engineers to enhance printing efficiency based on the specific type of resin utilized. These sophisticated algorithms automatically optimize printing parameters to achieve perfection, layer by layer, thereby ensuring maximum speed, precision, and reliability throughout the process.

## Consistent temperature ensures precise prints.

The eco-friendly method enables the utilization of all heat generated by the LEDs to warm the resin and sustain appropriate temperatures within the printing chamber.

When the heat output of the LEDs is inadequate, an active heating element activates, ensuring that the target temperature is consistently maintained.

## Power slab

POWER SLAB is an innovative technology that utilizes specialized high-temperature LEDs to generate an exceptionally high density of UV energy while simultaneously recovering all heat produced by the LEDs. This heat is directed to warm the resin and the print volume. A unique duct system, combined with an advanced algorithm, ensures that all temperatures consistently align with the specified levels for the resin loaded into the printer. The Galaxy 6 Plus is equipped with a 4K printing display that achieves a pixel size of merely 30 microns, or 0.03 mm.

## Why choose the GALAXY 6 PLUS?



- ⌚ Rapid (decreases printing time by 50% to 70%)
- ⌚ Precise (significantly diminished print defects in essential areas)

# GALAXY 6 PLUS

NO COMPROMISES FOR YOUR MOST AMBITIOUS ENDEAVORS



GALAXY 6 PLUS

Find out on the site



Graphy TC-85



Mack4D models



ACCESSORIES:  
VAT REST 2

## TECHNICAL SPECIFICATIONS

Packaging specifications and mass	40 x 40 x 60 cm 10.5 kg
Dimensions and Weight	29 x 27 x 52 cm 7.5 kg
Technology	LED-LCD Multi-Screen Large Area
LCD Specifications	6.6 inches, 4K, monochrome
LCD resolution	4098 x 2560 4K MONO (open cell)
Print volume.	143 x 89 x 160 mm
Pixel dimensions	35um
Detachment technique	ULTRA-FEP
Temperature assessments	Resin and volume maintained at a regulated temperature
Software	Spreent 3D/Exocad integration + Integrated Model Creator
Interface	7" web-based touchscreen display
Drive	Microstepper 1.2 micron
Axis Z	HIWIN linear guide system
UV source	MONO LED, dual parallel correction lens
Wavelength	385/405nm
Connections	WI-FI and USB
Biocompatible resins	Open system compatible with all 405 nm resins
Cooling	SUPER SILENT Technologies
Slicing technique/slicer	Incorporated into the printer
Internal storage	64 GB (Note 1 TB)

# WASH&DRY

## THE EXCLUSIVE ULTRA-FAST INTEGRATED WASHING SYSTEM

### How does Wash & Dry operate?

The 3D Business Wash & Dry system employs spray technology to pre-wash, wash, and dry a model in merely 60 seconds.

Thanks to the 3DB-Spray technology and the detergents A and B employed, an exceptional cleaning outcome is achieved with a significant reduction in chemical product usage. The consumption of the product can be minimized to merely 5 ml, and the model can be dried within seconds.

An innovative three-step washing system designed to eliminate residual resin from the model post-printing, effectively rinsing and thoroughly drying it to prevent any potential deformation during the washing process.

Wash & Dry is entirely constructed from other 3D printers utilizing specially developed materials, resulting in a substantial decrease in environmental impact. Due to the innovative production processes of 3D Business, CO2 emissions have been diminished by 90% in comparison to conventional 3D printers and accessories available in the market. This marks a significant advancement toward a more sustainable future.

## FOCUS



### REDUCTION OF CO2 EMISSIONS

Innovation in 3D business production processes has resulted in a reduction of CO2 emissions by one-tenth compared to conventional 3D printers available in the market, contributing to a more sustainable future.



### ACCESSORIES: VAT REST 4

Vat Rest provides a groundbreaking solution to streamline your 3D printing workflow.

With specially designed drawers, you can securely and neatly organize and store your tools and cleaned models.



### TECHNICAL SPECIFICATIONS

Dimensions and weight of the mixer.	375x250 H315mm 3.5Kg
Collection tank capacity	2500 ml
Internal volume measurements	359x234 H212mm MAX height 277mm
Energy	Isolated power supply 12V 1A
Tank capacity	700 ml Approximately 100 washes
Compressed air	2 Bar MIN Optional mini compressor

### Why choose the WASH&DRY?



Ecological

Efficient

Fast

# LIGHT BOX 2

THE LARGEST FORMAT, FEATURING THE HIGHEST SPEED.

## Quick and user-friendly

The UV Light Box 2 cabin employs cutting-edge double Power Slab technology. With its dual UV light source, it enables the post-treatment of high-performance 3D prints in just 5 minutes, markedly enhancing their durability and uniformity. User-friendly; after setting the digital timer to your desired value, simply press the START button.

The value will be retained in memory for all future treatments.

## The largest format, featuring the highest speed.

Thanks to concentrated light technology, the cabin does not emit UV rays into the environment, even when the door is wide open. All UV rays are directed solely towards the interior of the cabin. The powerful concentrated double light beam, with a dispersion angle approaching zero, strikes the objects to be treated with exceptional intensity. This enables the photons and the energy they carry to penetrate deeply into the object, ensuring rapid and thorough polymerization.

Through the efficient double Power Slab technology, all heat produced by the LEDs is directed into the polymerization chamber, enabling the model to be treated at an optimal temperature of up to 80°C with maximum speed. The UV source, positioned at a right angle, distributes UV light across the entire internal surface. Coupled with the innovative rotating plate, Light Box 2 ensures uniform and fully resistant polymerization of the print.

Furthermore, the concentrated double beam light facilitates deeper photon penetration, resulting in more stable, durable, and precise prints over time.

Light Box 2 is designed to be stackable with our exclusive bathtub boxes, offering a compact configuration and all the convenience you require, readily accessible.

Vat Rest is, in fact, the designated container of 3D Business, specifically engineered to conveniently store all resin utilized in 3D printing. Consequently, the resin will remain homogeneous and prepared for any future applications. Within Vat Rest, there is also a dedicated compartment for storing all your tools, designed to accommodate every requirement. Light Box 2 emerged from 3D Business research as a state-of-the-art technical product featuring an innovative concept. Like the entire 3D Business product line, Light Box 2 is entirely constructed using materials developed for other 3D printers, which are fully biodegradable and resistant to UV rays.

This innovative decision has resulted in the development of a product that is efficient and highly optimized for reliability, compactness, and quiet operation. Additionally, the durable and lightweight construction is shock-resistant.

## FOCUS



### COMPACT

The compact container designed for the storage of all the trays. Light Box 2 is designed to be stackable with our exclusive bathtub boxes, offering a compact design and all the convenience you require.



### ACCESSORIES: VAT REST 2HT

Save time and money with Vat Rest offers a groundbreaking solution to streamline your 3D printing workflow.



### GREEN

A machine constructed from 95% biodegradable materials, designed for eco-sustainable production with minimal environmental impact.



### QUICK AND USER-FRIENDLY

In merely five minutes, it enables you to effortlessly post-treat a high-performance 3D print.



### INNOVATIVE

A state-of-the-art technical product featuring an innovative concept, Light Box 2 is wholly fabricated from specially engineered materials that are resistant to UV rays and provide thermal and acoustic insulation.



### RESISTANT AND PRECISE

Furthermore, the concentrated double beam light facilitates deeper photon penetration, resulting in more stable, durable, and precise prints over time.



## Why choose the LIGHTBOX 2?



☛ Elevated polymerization velocity

☛ Silent

☛ User-friendly

☛ Sustainable

☛ Compact

☛ Resistant

☛ Reliable

# LIGHT BOX 2

THE MOST EXTENSIVE FORMAT, FEATURING THE GREATEST SPEED.



## LIGHT BOX 2

cod. 3DB-LIGHTBOX2



### TECHNICAL SPECIFICATIONS

Packaging specifications and mass	30 x 30 x 50 cm 4.5 kg
Dimensions and weight of the UV cabin	20 x 20 x 32 cm 2.6 kg
External footprint	200x200h320 mm
Internal capacity and measurements	7.5 liters / 180x180 h210 mm High working volume to footprint ratio
Structure	Constructed entirely from recyclable, biodegradable, and UV-resistant materials.
Cooling	Ultra-quiet active ventilation systems
UV LED Power	2x80W featuring Power Slab technology
Heating	Passive up to 80 degrees Celsius
Screen	LED, programmable timer 1-999 min
Type of Polymerization	405 nm concentrated energy monoband
Machine classification	UV Curing Booth   Single-Button Operation
Note	High energy efficiency is achieved through the heat recovery produced by the LEDs.

### ACCESSORIES: VAT REST 2 HT





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88dent.com

