

# DENTAL SIMULATION WORKBENCHES

## CATALOGUE



# Trusting relationship.

Dear Customer,

MAECOLUX team is glad to present you it new catalogue dedicated to professional furniture for dental faculties and educational training centers in odontology.

It was developed with the participation of industry professionals and offers a wide selection of workbenches, selected according to specific criterias of quality, innovation, durability, and efficiency.

**MAECOLUX** is managed by a dynamic, flexible, responsive and listening team which shares strong values and commitments :

- Building stable and long lasting relationships with our customers
- Providing our clients with high quality, low cost dental equipments and consumables
- Access to all related services: installation, sale service, maintenance
- A strong will to satisfy our customers with the most accurate advice

**MAECOLUX** provides easy access to the products which are essential to maintain your activity, in every day life.

Welcome to **MAECOLUX** !

*Jean-Pierre EUDIER and Stanislas EUDIER co-founders of MAECOLUX SA*

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Suits perfectly schools  
 with **limited space**

Ideal design for **phantom  
 work and pre-clinical  
 education**



Dimensions : 90 x 60 x 90 cm

Hanging tubing delivery unit : 2 RM handpieces, 3-way syringe (air/water/spray)

Adjustable saliva suction system

To be connected to centralized air and water system

Operating hallogen light fixed on a double articulated arm (LED version is optional)

The body is electro-statically painted sheet metal

Table-top is made of laminate - Heat-resistant, resistant to shocks and dental products

Can be delivered with different types of FRASACO heads (with or without torso)

LCD screen is optional

Autonomous clean water supply system with bottle is available in option

More options and accessories available upon request



Set of 4 workbenches  
surrounding an **elevated**  
central cabinet structure

Ideal design for  
**simultaneous practice** of  
4 students on **phantom or**  
**prosthetic work**



Dimensions : 180 x 180 x 180 cm. Including drawers, storage space with key to close

Sockets (1 to 4 possible in option) + RJ45

Articulated unit with whip arm - 2x RM handpiece positions, 3-way syringe

Integrated manometer, saliva ejector predisposition (VENTURI) - option : possibility to connect to a centralized suction

The body is electro-statically painted sheet metal

Table-top is made of laminate - Heat resistant, resistant to shocks and dental products

LED operating light fixed on a double articulated arm

Compressed air nozzle - Movable extraction snout with armrest

Integrated dust suction motor (including filters)

Including FRASACO heads and torso, and LCD screen (size upon request)

Electric adjustment micromotor (controller embedded in central cabinet structure)



**Whip Arm Unit** *(included)*

2x RM handpiece positions

3-way syringe

Extra tubing available upon request

**LED Operating Light** *(included)*

32 000 LUX - Daylight without shade

Color temperature : 5300°K

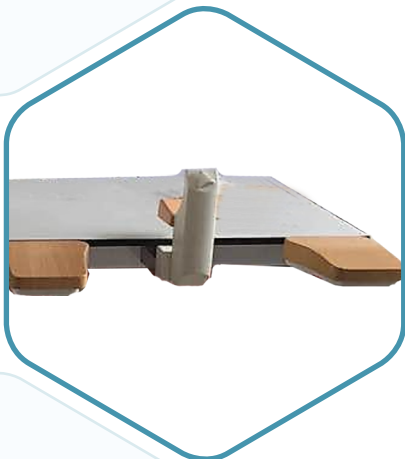
With reflector and on/off button



**Predisposition for Prosthetic Work** *(included)*

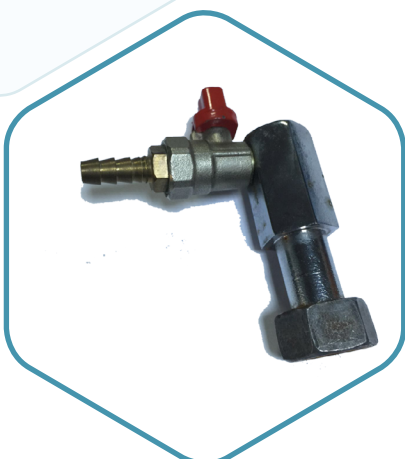
2 armrests

Extraction snout (external or integrated to the table-top)



**Predisposition for Dust Suction** *(included)*

Including 1 suction motor per bench and filtering system



**Gas Shut-off Valve** *(optional)*

**Extra option**

Autonomous clean water supply system with bottle

Ideal design for  
**practicing on  
 phantom or  
 prosthetic work**



Dimensions : 120 x 70 x 90 cm

Including drawers, storage space with locking key

Sockets (1 to 4 possible in option)+ RJ45 (option)

Articulated hanging tubing unit (whip arm option) - 2 RM handpiece positions, 3-way syringe

Integrated manometer, saliva ejector predisposition (VENTURI) - option : possibility to connect to a centralized suction

The body is electro-statically painted sheet metal

Table-top is made of laminate - Heat-resistant and resistant to shocks and dental products

Operating hallogen light fixed on double articulated arm (LED version in option)

Compressed air nozzle - Removable handpiece carrier with protection (optional)

Integrated dust suction motor (including filters)

Including FRASACO phantom head (torso is optional) and LCD screen (size upon request)



#### **Whip Arm Unit (optional)**

Alternative to hanging tubing version

2x RM handpiece positions

3-way syringe

Extra tubing available upon request

#### **LED Operating Light (optional)**

32 000 LUX - Daylight without shade

Color temperature : 5300°K

With reflector and on/off button



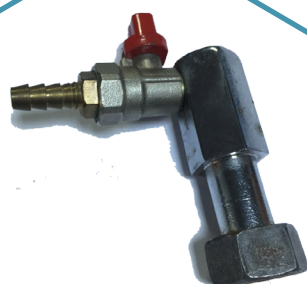
#### **Predisposition for Prosthetic Work (optional)**

2 armrests

Extraction snout (external or integrated to the table-top)

#### **Predisposition for Dust Suction (included)**

Including 1 suction motor per bench and filtering system



#### **Gas Shut-off Valve (optional)**

#### **Extra option**

Autonomous clean water supply system with bottle



**Professor Workbench**  
 meant for dental education

Available in **PREMIUM**  
**Version**  
 (Phantom + Prosthetic  
 work)



Dimensions : 205 x 88 x 110 cm

Including drawers, storage space with key to close

Electric outlets (1 to 4 available in option) + RJ45 (option)

Articulated hanging tubing unit (option : Whip-arm) - 2 RM handpiece positions, 3-way syringe

Integrated manometer, salivary ejector predisposition (VENTURI) - option : possibility to connect to a centralized suction

The body is electro-statically painted sheet metal

Table-top is made of laminate - Heat-resistant and resistant to shocks and dental products

Operating hallogen light fixed on a double articulated arm (LED version in option)

Computer, close circuit video streaming system and audio equipments are included

HD SONY Camera fixed on an articulated arm to save pictures and record live videos

Including FRASACO head and torso (torso is optional), LCD screen (size upon request)

Available option : LED operating light with integrated HD camera - ELIO / Made in FRANCE



### Computer System

Processor	Intel® Core™ i7-4790
Random Access Memory (RAM)	Kingston Fury HyperX 8 GB
Hard Disk	Seagate 2 TB HDD
Operating System	Windows 7 Professional
Mouse and Keyboard	Microsoft Wireless
DVD Drive (Reader/Writer)	OEM
Capture Card	KEMALDIS HDMI special design
Screen	Ecran 19,5" LCD (Samsung, Philips, LG, Asus, ...)



### Sound System

Receiver	BOTS BK 301 YM
Amplifier	BOTS BT2120
Loudspeakers	BOTS BA 1017

### Video System

Articulated-Arm-Fixed Camera	Sony HDR PJ 675 handycam
Option	Operating light ELIO with integrated camera



### ELIO HD60 Operating Light with Integrated Camera

Type of focus	Autofocus
Lens	Zoom 60x
Depth of Field	Considerable depth of field
System	NTSC / PAL
Number of Pixels	1080p (1080 x 1920)
Horizontal Field of Vision	48° à 2.8°
Low Need of Illumination	0.7 Lux
Whites Balance	Automatic, Indoor, Outdoor
Video Output	YPbPr, HDMI
Power Waste	6 - 12V, 3.3W

### LED Operating Light Specifications

White Natural Day Light	6000° K (+/- 5%)
Good Reproduction of Colors	IRC 90%
Adjustable Light Density	Up to 52.000 Lux
Life Expectancy	50.000 hours
Shadows	None
UV radiations & heat production	None
Noise	None (no fan)
Source	2 LED x 6W, Consumption 12 W
Power Supply : 110-220V	Autonomous stabilized converter

Entirely tight and waterproof for an optimal asepsis



### Other details

Head dimensions	272 x 116 x 146 mm
Arm length	1470 mm
Weight (arm + head)	6.90 kg
Warranty	1 year

### ELIO SD40 Operating Light with Integrated Camera

Type of focus	Autofocus
Lens	Zoom 40x
Depth of Field	Considerable depth of field
System	NTSC / PAL
Number of Pixels	795(H) x 596(V)
Horizontal Field of Vision	48° à 2.8°
Low Need of Illumination	0.7 Lux
Whites Balance	Automatic, Indoor, Outdoor
Video Output	RCA
Power Waste	6 - 12V, 3.3W

### LED Operating Light Specifications

White Natural Day Light	6000° K (+/- 5%)
Good Reproduction of Colors	IRC 90%
Adjustable Light Density	Up to 52.000 Lux
Life Expectancy	50.000 hours
Shadows	None
UV radiations & heat production	None
Noise	None (no fan)
Source	2 LED x 6W, Consumption 12 W
Power Supply : 110-220V	Autonomous stabilized converter

Entirely tight and waterproof for an optimal asepsis



### Other details

Head dimensions	272 x 80 x 146 mm
Arm length	1470 mm
Weight (arm + head)	6.90 kg
Warranty	1 year



#### Whip Arm Unit *(optional)*

Alternative to hanging tubing version

2x RM handpiece positions

3-way syringe

Extra tubing available upon request

#### LED Operating Light *(optional)*

32 000 LUX - Daylight without shade

Color Temperature : 5300°K

With reflector and on/off button



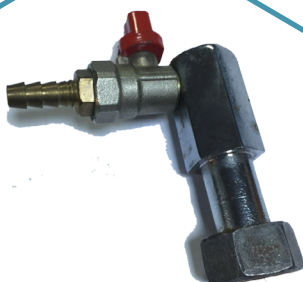
#### Predisposition for Prosthetic Work *(optional)*

2 armrests

Extraction snout (external or integrated to the table top)

#### Predisposition for Dust Suction *(included)*

Including 1 suction motor per bench and filtering system



#### Gas Shut-off Valve *(optional)*

#### Extra option

Autonomous clean water supply system with bottle

Ideal design for  
**simultaneous work of  
2 students on phantom**

Worktop in high density  
fiber wood, wide choice  
of colors available



Dimensions : 120 x 80 x 90 cm

Rotating unit with hanging tubing : 2 RM handpiece positions, 3-way syringe (air/water/spray)

Adjustable saliva suction system

Autonomous clean water supply system with bottle

Operating light fixed on double articulated arm (16.000 à 20.000 LUX)

The body is electro-statically painted sheet metal

Worktop is laminate - Heat-resistant, and resistant to shocks and dental products

Foot pedal with spray selection

Phantom head holder (adaptable to any model / brand)

Electric power supply & PSI pressure manometer



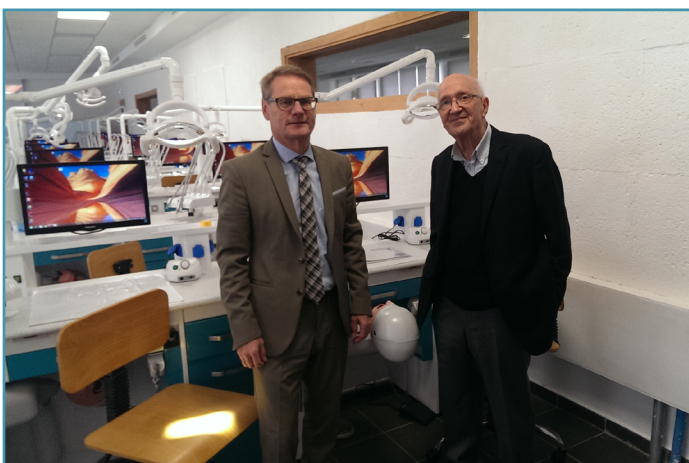
# INSTALLATION EXAMPLES 1/3

## International University of Rabat, MOROCCO (2016)



Place : IUR, Rabat, MOROCCO  
Installation date : 2016

Number of fitted benches:  
**66 student benches**  
**2 lecturer benches**

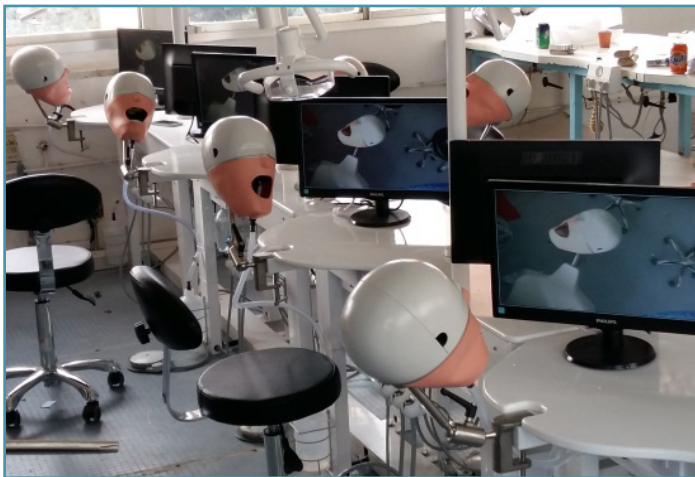


Equipement fitted :

- Lecturer workbench **KDF-01 PREMIUM version**
- Student workbench **KDF-06**
- Phantom Heads **FRASACO PK-2 PT**
- Rotative instruments **W&H**
- Top-table micromotors **mxTORK**

# INSTALLATIONS EXAMPLES 2/3

**Cheikh Anta Diop University - Dakar, SENEGAL (2015)**



Place : **Dakar, SENEGAL**  
Installation date : **2015**

Number of fitted benches:  
**30 student benches**  
**2 lecturer benches**

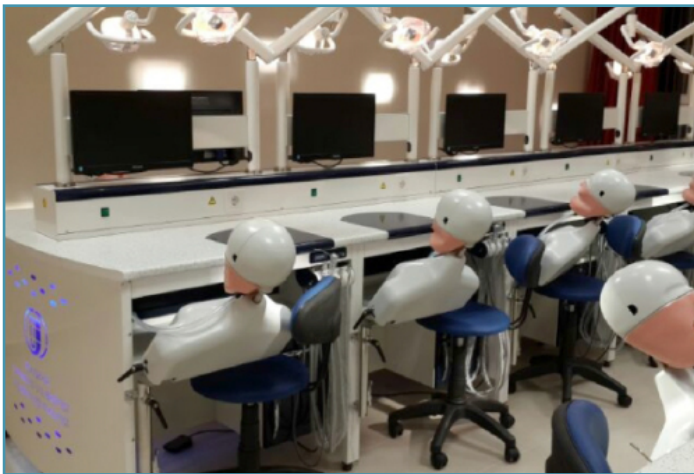
Equipment fitted:

- Lecturer workbenches **KDE-01 & KDF-01**
- Student workbenches **STU-DENT duo**
- Phantom heads **FRASACO PK-2 PT**
- Rotative instruments **W&H**



# INSTALLATIONS EXAMPLES 3/3

## Other installations



# Corporate Social Responsibility

**O**ur team at **MAECOLUX SA**, was founded around :

- a dentist and consultant having worked in Africa for more than 10 years, endowed with a deep awareness of socio-economic concerns locally.
- an engineer with a 12-year experience in managing projects and international trades, especially towards developing countries.

Benefiting from the expertise and the convictions of its founders, our team has been firmly committed for almost 15 years to promoting and developing dental healthcare throughout Africa.

Besides bringing our support to the continuing education program of the World Dental Federation, which aims at improving oral health policies and dental education worldwide, we made a point of promoting and easing access for African people to oral healthcare and superior education in odontology.

With this in view, **MAECOLUX SA** has developed complete turnkey solutions, including counseling, logistics, installation, maintenance and training, in order to meet the specific needs of practioners and educational institutions optimally.

Furthermore, we distribute a range of dental consumables inspired by nature (which we have contributed to develop) that provides dentists with economical, modern and highly efficient dental care solutions.

Our commitments and our actions have allowed us to assist universities, hospitals, dental clinics (private and public) in their refurbishment projects, and enable us to support them durably while developing their activity.

To achieve this, our team made a commitment to maintain proximity, availability as well as a regular, volunteer and transparent communication with our partners, with the will of developing stable and sustainable relationships.

**MAECOLUX SA** and its entire team thank you for your confidence.

*Jean-Pierre EUDIER and Stanislas EUDIER co-founders of MAECOLUX SA*

# CONTACT US

Bespoke solutions adapted to each specific need.  
Please do not hesitate to contact us for any request.

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