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DENTAL  
LINE



Intra-oral X-ray units

ENDOS<sup>ACP</sup>  
ENDOS<sup>AC</sup>

**Endos AC  
Endos ACP  
Efficiency  
is included.**

In the new range of intra-oral X-ray units Endos, everything has been designed to maximize the operating efficiency and allow you to concentrate on diagnosis and treatment, rather than on the procedure to get the radiographic image.



**Grid tube technology**

The new grid tube improves the quality of the emitted radiation increasing the accuracy of exposure parameters and reducing the so-called "soft radiation" which doesn't contribute to image production, yet it's harmful for the patient.

Thanks to a smart software algorithm, the system automatically compensates the mains voltage fluctuations guaranteeing the best stability in film darkening.

The duty cycle (waiting time between two exposures) is 1:32, meaning that, after a 0.5 seconds exposure, you just have to wait 16 seconds for the next shot. Once again this translates into high efficiency when you need to take several images in a sequence.



### Endos ACP: Optimized parameters

The sophisticated timer of Endos ACP allows to select the best exposure parameters using pre-programmed anatomic techniques.

The choice of the diagnostic target is easily achieved in two quick steps: choose the size of the patient among the three available and choose the dentition area to be examined: that's all. At the touch of a key you can also switch to a specific modality which optimizes the exposure times for use with any digital acquisition system.



### Endos AC: the essential unit

While employing the same advanced technology of Endos ACP, Endos AC is based on the classic manual selection of exposure times.

Endos AC is compatible with all the digital sensors currently on the market. For those that prefer a no-frills unit, Endos AC is the best tradeoff between performance and budget.





### **New arm**

Even the finest details in the whole new aluminum arm have been carefully designed so that you will appreciate for years the quality of Endos units. The lightness of positioning perfectly goes along with stability, always with the goal of giving you the best effectiveness in everyday use.

### **Hygiene**

All the materials have glossy finish and have been studied to be easily and quickly cleaned to protect the hygiene of your working environment, and to last for years to protect your investment.

### **Flexibility**

To adapt to every installation condition, Endos AC and ACP can be configured with a remote X-ray pushbutton that allows you to start the exposure outside the examination room. The mobile version will give the maximum positioning freedom.



### **Quality of details**

The X-ray pushbutton has also been studied to give the best grip and ergonomics. The coiled cord (extensible to 3m) has been realized to keep its shape and withstand for years the high strains applied daily.





## Accessories

### 30cm extension cone

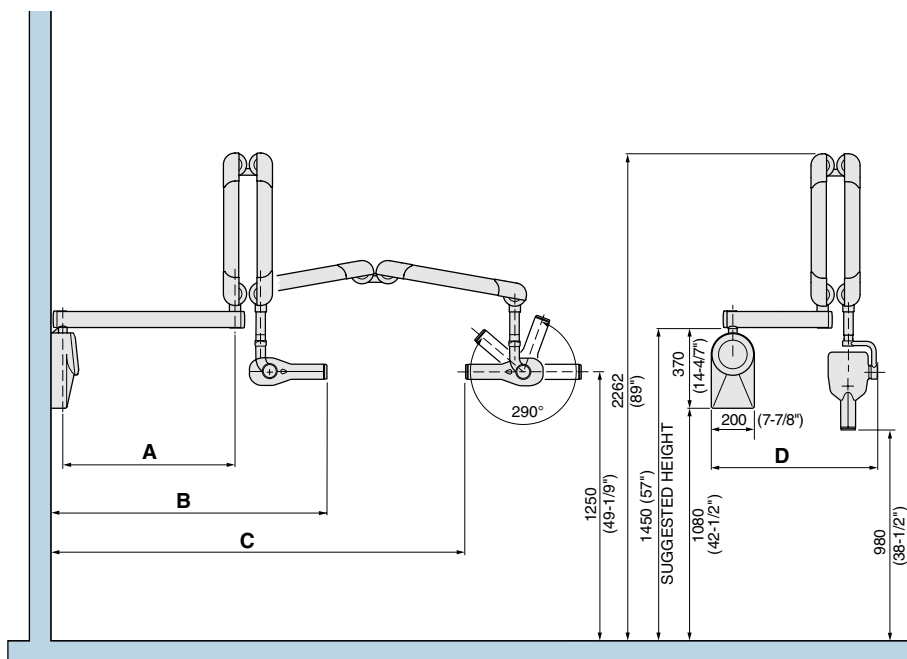
This accessory extends the source to skin distance to 30cm to take images using the parallel technique.

### 35x45mm collimator

The 35x45mm collimator can be used to limit the irradiated area, thus reducing the patient dose and minimizing the scattered radiation.

## Safety

Endos AC and ACP incorporate advanced self-diagnostics that prevent and signal every operation anomaly. A special safety device eliminates the risk of unwanted exposures, inhibiting the X-ray pushbutton when the unit is not in use.



Dimensions = mm / (inch)



## Dimensional data

TOTAL REACH (B)	
Extension arm A = 30cm (11-13/16")	785mm (30-7/8")
Extension arm A = 60cm (23-5/8")	1085mm (42-3/4")
Extension arm A = 80cm (31-1/2")	1285mm (50-5/8")
TOTAL INSIDE REACH (C)	
Extension arm A = 30cm (11-13/16")	1430mm (56-5/16")
Extension arm A = 60cm (23-5/8")	1730mm (68-1/8")
Extension arm A = 80cm (31-1/2")	1930mm (76")

## Product Data

Power supply	230V ±10% 50Hz 120V ±10% 60Hz
X-ray tube	70kV, 8mA
Focal spot	0.8mm IEC 336
Focus to skin distance	20cm (7-7/8") standard / 30cm (11-13/16") with optional collimator cone extension
X-ray field (at collimator tip)	Diameter 60mm (2-3/8") / 35x45mm (1-3/8"x1-3/4") with optional diaphragm
Duty cycle	1:32
Exposure times	0.02 to 3.2s in 33 steps
Anatomic programs (ACP only)	30 pre-set times



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**Villa Sistemi Medicali** long-standing experience at the service of our customers



### **Competence in x-ray systems**

Villa Sistemi Medicali specialists can provide qualified information on new x-ray systems, room structure and installation and equipment positioning.

### **A wide range of equipment**

Villa Sistemi Medicali is among the major European manufacturers of radiological systems and offers a wide range of products, such as:

- Digital radiographic and angiographic systems
- Remote controlled tables
- Classical tilting tables
- General rad floating tables
- Chest stands
- Mobile units
- Surgical C arms
- HF Generators
- Dental units, Intra-oral and panoramic

### **Our priority: Technical Service**

A wide network of highly skilled service engineers ensures effective and reliable maintenance of all Villa Sistemi Medicali equipment installed worldwide. Preventive maintenance programs and Service Contracts are adapted to the needs of our customers

### **Logistic services: a widespread presence**

Spare parts, accessories and consumables are shipped daily by Villa Sistemi Medicali to all its customers worldwide.