



All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.

## BASIC PLUS

Technically sophisticated and proven classic

**otopront**<sup>®</sup>

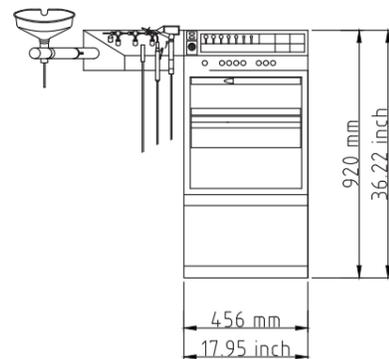
## BASIC PLUS 450 | 550 | 700

The perfect and complete ENT unit in 3 sizes. Adapted to spatial and individual needs. Discover the highest level of combination and customization options.



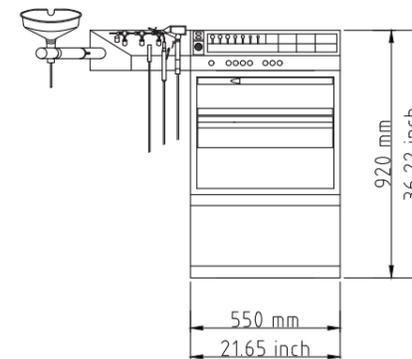
BASIC PLUS 450

With 456 mm body width and 920 mm total width the most compact of the BASIC variants.



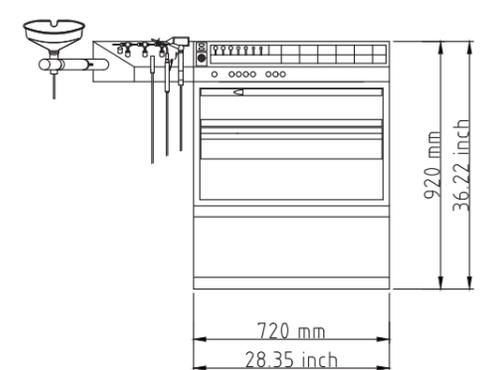
BASIC PLUS 550

With a body width of 550 mm, this model like the others can be equipped with further options such as high plateau, microscope and LED light.



BASIC PLUS 700

With a body width of 720 mm and space for a 3<sup>rd</sup> instrument level, the BASIC PLUS 700 is the perfect solution for the highly frequented workplace.



# BASIC PLUS

MORE THAN 30 YEARS OF CONTINUOUS DEVELOPMENT

The BASIC PLUS represents – more than 30 years of continuous technical and functional development – a design optimized, technically skilled classic.

A modular, freely designable configuration of different variants and sizes of the BASIC PLUS as well as add-on modules and features meets the need for individuality and custom-made solutions.

Distinct lines and shapes provide a tidy, timeless look with calming effect on the patient. At the same time all functional elements are structured, optimally positioned and designed for one-handed operation in daily practice.

Constant use of the latest technologies and materials in close cooperation with hospitals and practices provide valuable development impulses.

From the beginning BASIC PLUS has set standards in terms of technical solutions, overall concept and maintainability. This also applies to the implementation of the hygiene requirement by means of practical and standardized solutions. Once again, BASIC PLUS sets new standards in compliance with hygiene requirements.

## Why BASIC PLUS?

WORK FASTER, SMARTER AND MORE CONVENIENT

-  Ergonomic design for convenient workflow
-  Super silent and vibration-free pumps for suction and air unit
-  Complete one hand handling
-  Integrated space saving microscope
-  Validated reprocessing for best possible hygienic standard

-  Customizable
-  High durable long lasting materials for reliable work
-  Experienced in over 100 countries
-  Proven and optimized over years
-  Quality Made in Germany

## BASIC PLUS equipment details

### COMPRESSED AIR UNIT

An oil-free running compressor supplies the stainless steel air tank with multiple filtered air. Compressed air is immediately available thanks to an air tank without starting an aggregate. A variably adjustable pressure limitation in the Politzer gauge ensures additional safety. Like all Otopront hand-pieces, the fine-dose spray and the Politzer handpiece are made of metal and are autoclavable.



### SPRAY BOTTLES

Three light protected spray bottles with different spray cannulas for oily or aqueous solutions are embedded in the device surface and provide optimum protection for light-sensitive drugs. All spray bottles have a protective sleeve and on request medicament labeling rings. Each spray head can be used with both stainless steel and Otopront disposable cannulas.



### MICROSCOPY

The BASIC PLUS is offered optionally with a CARL ZEISS microscope. The microscope can derive light from a separate Otopront LED light source integrated in the device, with the advantage of varying brightness and color temperature.

### SUCTION

The suction system is automatically activated when the suction hose is pulled out. The sealed base pump ensures extremely quiet and vibration-free operation. In addition, a set up for disposable suction can be added by request. If required, a foot switch to control the suction is optionally available.



Optionally foot switch for suction

## Endoscopy centre

### LED LIGHT

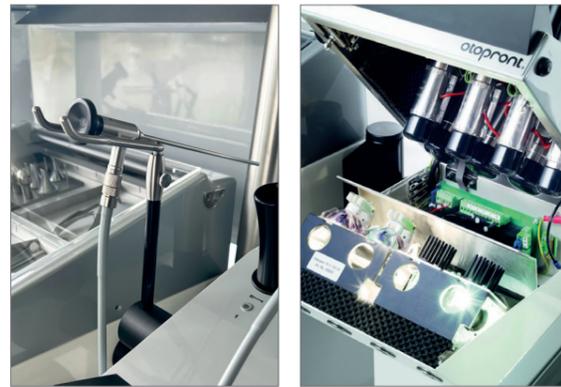
From the beginning the development of the Otopront LED light sources was not only a matter of brightness, but also of a high-CRI color spectrum that was as close to daylight as possible. Thanks to an array of 5 color-different LED chips, which can be individually controlled, this has been perfectly achieved in every respect.



Variety for every need  
Light activation, easily operated by light barrier control or via automatic position detection

### ENDOSCOPY MANAGEMENT

The endoscopy center of otopront sets the standard to minimize cross contamination during endoscopic procedure. The well-engineered design of preheated (body temperature) quivers and disinfection quivers for used endoscopes assure a safe workflow. Additional support for used endoscopes for the reuse on the same patient simplifies the work of a surgeon.



Suspension for "endoscopes in treatment" with automatic switching

Inside the endoscopy center

## Customization options and custom-made products

### INDIVIDUAL CONFIGURATION

For special circumstances and special needs the BASIC PLUS can be modified to your liking. The process for such a special design takes place in close collaboration between you and our sales people, to provide you with the best possible advice and to built a unit for your complete satisfaction – your personal BASIC PLUS treatment unit.



### COMBINABLE ADDITIONAL COMPONENTS

Instrument cabinets, desks and endoscopy stations as well as all further equipment details can be combined freely. In addition, there are a number of existing special-purpose solutions from which you can also benefit.



# General hygiene as Otopront standard

## INSTRUMENT MANAGEMENT AND STORAGE

For the BASIC PLUS and the instrument module Otopront offers a dust- and splash-free storage of instruments. The special feature is that for all systems the instruments are kept visible behind plexiglass for a quick orientation. Not only further underlying drawers, but also the upper trays of the cabinets and units can be equipped with our Softclose system. So an ergonomically ideal, dust- and splash-free storage of instruments is possible.

## DRAWER VARIANTS AND ARRANGEMENT

Furthermore all drawers can be fit with a plexiglas front for a better overview. Clean/unclean or storage/discard layout of the individual cabinet and unit elements can be individually designed by request, depending on the situation.

## INSTRUMENT TRAYS

Removable instrument trays with antibacterial coating and freely divisible stainless steel slats. All parts can be mechanically reprocessed. The instrument cover can be equipped with a hermetic sealing and with the soft self-closing Otopront Softclose system.



## SOFTCLOSE

The Softclose system allows an automatic, but damped closing of the cover. After the smooth opening of the cover, instruments can be taken out, to proceed directly with the treatment. Meanwhile the cover descends automatically. Prerequisite for an elegant one-hand operation. Of course, the cover can be opened completely and be fixed. Optionally with hermetically closing cover.



## OTOPRONT DISPOSABLE CANNULAS FOR SPRAY UNITS

Different types of cannulas available:



For oily/viscous solutions



For aqueous solutions

The in recent years more tightened interpretation of requirements on hygienic preparation of medical instruments sees the cleaning of suction hoses and cannulas due to the small lumens at some point critical or not to be feasible. Otopront solved that issue by the development of disposable cannulas.

- Fast replacement of the cannulas with quick fastener
- Additional safety during treatment of high risk patients, bleeding noses or change of dressing
- Support of compliance with hygiene standards
- Three cannula types available: For aqueous solutions, oily/viscous solutions as well as for powder.

## ADAPTER FOR ALL PHARMACY BOTTLES

Otopront has developed a simple and safe system that allows the use of all standard pharmacy bottles on the treatment unit. By means of an adapter it is possible to connect the pharmacy bottle directly to the spray system.



## DISPOSABLE SUCTION HOSES

Otopront disposable suction hoses fit without modification for all Otopront suction hose suspensions. The hygiene solution for the daily routine in practice and clinic or as an occasional replacement for the conventional standard Otopront suction hose in case of obstruction or for infectious/critical patients.



Simple design: The cap of the pharmacy bottle is replaced by the adapter. In this way, it can be connected directly to the spray unit of the treatment unit. An easy-to-clean, autoclavable stainless steel casing provides protection from glass breakage and a molded part enables safe placing.

## Features

### BASIC EQUIPMENT

- Suction unit with non-vibrating, smooth-running vacuum pump, 58 l /min, 91% vacuum
- Compressed air system complete with fine dosing handpiece, flow limiter and pressure gauge
- 3 spray bottles (optional for disposable spray cannulas)
- Auxiliary air regulation
- Suction hose rinsing unit
- Mirror reheating unit
- Instrument tray in the upper part, 2-stage with plexiglas cover
- Pullout panel for instruments
- Instrument drawer
- Storage drawer
- Open compartment



### MOST CHOSEN OPTIONAL EXTRAS

- Suction diaphragm pump: 72 l /min, 91% vacuum, vibration-free suspension, vibration-free, slow and silent-running
- Suction piston pump: 55 l /min, 91% vacuum, for 24 h continuous use, vibration-free suspension vibration-free, slow and silent-running
- Single, dual or quad light source
- Single, dual or quad light source, LED (CRI > 95%) with light barrier control, disinfection time monitoring and Otopront double quiver system
- Endoscope rest, head light rest, both switching
- LED light source and superbright LED, especially for flexible endoscopes with small diameters
- Spittoon on swivel arm with second suction hose
- Heated instrument panel for body warm instruments
- High-plateau with concealed sockets
- Swivel support for additional equipment
- Microscope with holder, electrical supply and own light source
- Video endoscopy system PES PILOT HDpro including microscope camera or PES PILOT HDpro stroboscope
- Stainless steel edges on all drawers as additional mechanical protection
- Instrument discharge cups for disinfecting solutions
- Integrated container for injection needles, cannulas etc.
- Waste bin with foot control
- Removable stainless steel surfaces for cleaning
- External suction hose system
- Instrument drawers with plexiglass front cover
- Free choice of colors, optionally 2-layer metallic paint
- Mirror preheater: aluminum block detachable for 50 mirrors
- Special solutions

# Technical data

## SUCTION UNIT

- Basic pump: 58 l/min, 91% vacuum  
Alternatively:
  - > Diaphragm pump: 72 l/min, 91% vacuum
  - > Double-piston pump: 55l/min, 93% vacuum, designed for continuous operation
- All pumps are vibration-free and extremely quiet running
- Vacuum gauge
- Double overflow protection
- Automatic activation, optionally by foot switch
- Plug-in suction glass
- Use of disposable suction bags and suction hoses, no modifications required

## LED LIGHT SOURCES

- 2 or 4 LED light sources (CRI>95%, >1800 lumens, adjustable brightness, warm white)

## ENDOSCOPE QUIVERS

- 2 removable preheating quivers, thermostat controlled
- 2 rinsing quivers
- 2 quivers for flexible optics suspension
- Swimming quiver for all standard optics as contamination protection

## SUCTION HOSE CLEANING

- Integrated rinsing of hose and cannulas with disinfectant solution

## SPRAY UNIT

- 0–4 bar, adjustable, with gauge
- Fine dosing
- Spray handpiece, autoclavable
- 3 spray bottles with replaceable cannulas
- Otopront disposable cannulas

## HYGIENE

- All application parts with patient contact are autoclavable
- Quick fasteners on all hoses
- Otopront disposable suction hoses
- Otopront disposable cannulas
- Otopront disposable suction bag

## HEAD LIGHT SUSPENSION

- Height-adjustable and automatic switching
- Laterally mounted

## MEDICAL RAIL SYSTEM

- Stainless steel profile type DRÄGER 0.98 x 0.39 inch or 1.37 x 0.39 inch
- Laterally mounted

## CONSTRUCTION

- Steel body, multi-layer lacquered
- Colour selection acc. to RAL colour range
- Top and base made of stainless steel or steel coated

## DRIVEABILITY

- Antistatic rollers
- 2 castors on the front

## WEIGHT

- 121 – 187.4 lbs

## POWER SUPPLY

- 110 V~, 50/60 Hz

## POWER CONSUMPTION

- 1800 VA max.

Basic configuration and optional supplementary equipment as per price list.

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