

# ENT workstations

2012/2013



**Heinemann Medizintechnik** is since 1983 one of the leading providers of **ENT** medical technology.

The company is not only a **manufacturer** of ENT treatment units, but also a competent **partner** for advice and a sales partner from the planning of practices right up to the complete equipment of **hospitals** and **practices**.

# Company history

G. Heinemann Medizintechnik GmbH was founded in 1983.

Its profile covers the development, manufacture, sales and distribution of ENT diagnosis devices. The product range also included ultrasound devices for paranasal sinus diagnostics, stroboscopy devices for vocal chord diagnostics and devices for vestibular diagnostics.

- 1990 Construction of a new corporate building in Hamburg-Hummelsbüttel and start of production of ENT treatment units in the new premises
- 1995 Founding of Heinemann Medizintechnik Russia in Moscow
- 1998 Takeover of representation of Interacoustics (Denmark) for audiological measuring technology
- 2004 Development of a new water and air caloric stimulator for vestibular diagnostics
- 2007 Development of a new ENT examination and diagnosis unit "MODULA mini"
- 2008 Representation of Philips Healthcare in Russia for the "Medical imaging diagnostics" product segment and inauguration of the new office in Moscow
- 2010 Wide range of new innovations on the ENT treatment units (glass display, antibacterial coating with fine structure, LED cold light and much more)
- 2011 Wide range of new innovations on the ENT treatment units. Production and delivery of **80** ENT treatment units to state-owned hospitals in Belarus
- 2012 Starting signal given for construction of new headquarters in Kaltenkirchen
- 2012 Production and delivery of **229** ENT treatment units to Russia as part of a modernisation programme for Moscow



**In the future, quality and design will remain our priorities in order to stay ahead of the market.**

# MODULA overview

Standard equipment of MODULA units	Duo	Europa	Paris	mini
High-quality, electrolytically galvanised sheet steel housing	✓	✓	✓	✓
Powder-coated stoved enamelling in RAL colours	✓	✓	✓	✓
19 standard colours with antibacterial properties and fine structure (other RAL colours also available on request)	✓	✓	✓	✓
Mobile unit with stainless steel base, antistatic heavy-duty rollers	✓	✓	✓	✓
Electronic operating and display system: robust, user-friendly glass display with touch-sensitive function keys	✓	✓	✓	✓
Instrument holder for handpieces, swivelling	✓	✓	✓	✓
Integrated rapid mirror warmer with fan	✓	✓	✓	✓
Drawers, fully extending with soft close system	6	4	2	3
Extending writing/preparation shelf, stainless steel surface	✓	✓	-	-
Disinfection quiver for rigid endoscopes with silicone adapter	4*	3*	3*	3*
2 instrument levels with stainless steel instrument trays	✓	✓	✓	-
Indirect illumination for instrument levels	✓	✓	✓	-
Acrylic instrument cover can be sunk behind the cabinet	✓	✓	✓	-
Stainless steel instrument tray for used instruments with silicone insert	✓	-	✓	-
Melamine instrument tray for used instruments with silicone insert	-	✓	-	-
Waste bin, opening with foot pedal (self-closing)	✓	✓	✓	-

\* Maximum possible number

# MODULA mini ○

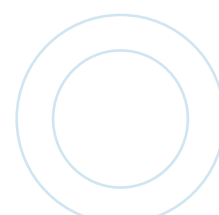
**Mobility and efficiency**  
**Mobility and efficiency**



## Product description



MODULA mini – the smallest treatment unit offering the complete equipment in a space-saving housing. Despite its small dimensions, this unit can be equipped with almost all the functions of the MODULA range. This space-saving unit offers automatic suction or suction with manual emptying of secretion glass, up to 3 cold light sources (halogen or LED), endoscope quivers for rigid and flexible endoscopes and much, much more.



## Standard equipment

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit with stainless steel base, antistatic heavy-duty rollers
- Electronic operating and display system: robust, user-friendly glass display with touch-sensitive function keys
- Instrument holder for handpieces, swivelling
- Integrated rapid mirror warmer, with fan
- 3 drawers, fully extending with soft close system
- 3 disinfection quivers for rigid endoscopes with silicone adapter



*Image does not show standard equipment*

- |   |   |   |  |
|---|---|---|--|
| 1 | Water handpiece, compressed air sprayer, suction hose | 6 | Endoscope quivers                              |
| 2 | Glass display as a display and control element        | 7 | Fully extending drawers with soft close system |
| 3 | Disinfection quivers for rigid telescopes             | 8 | Mirror warmer                                  |
| 4 | LED or halogen cold light sources                     | 9 | Robust design featuring high-quality materials |
| 5 | Antibacterial tubes with quick couplings              |   |  |

## Example ENT workstation



*Image does not show standard equipment*

- 1 Monitor holder with swivel arm (Installation on desk)
- 2 Panel PC with Touchscreen (Installation on monitor holder)
- 3 Software for Tympanometry-Module „Tymp 4000M“



## Example model versions



Storage compartments instead of two top drawers

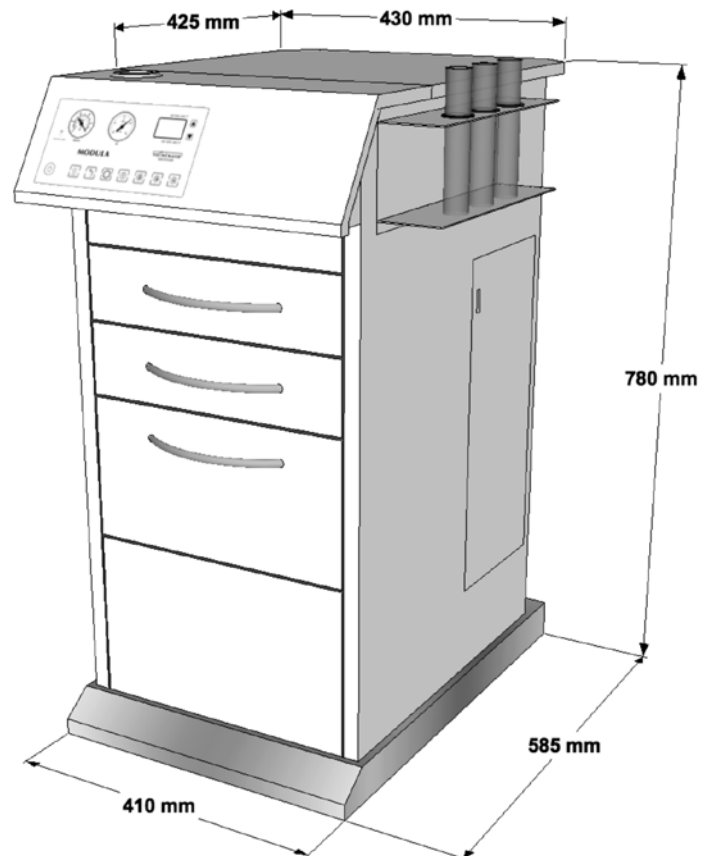


Four small drawers



Storage compartments instead of drawer

## Dimensions



## Standard colours (antibacterial coating with fine structure):

				
RAL 1001 Beige	RAL 1013 Pearl white	RAL 1028 Melon yellow	RAL 3004 Purple	RAL 3020 Traffic red
				
RAL 5003 Sapphire blue	RAL 5010 Gentian blue	RAL 5014 Pigeon blue	RAL 5018 Turquoise blue	RAL 5024 Pastel blue
				
RAL 6029 Mint green	RAL 6034 Pastel turquoise	RAL 7016 Anthracite grey	RAL 7032 Pebble grey	RAL 7035 Light grey
				
RAL 7044 Silk grey	RAL 7045 Telegrey 1	RAL 9010 Pure white	RAL 9016 Traffic white	

The colours shown here may differ from those on the screen or in print

## Technical details:

Mains voltage, mains frequency:	230 V (+/- 10 %) at 50/60 Hz
Power consumption:	max. 2.3 kVA at 10 A
Classification:	Ila
Protection category:	I
Degree of protection:	B
Motor suction (optional):	Vacuum pump (oil-free, suction capacity 40 l/min at -0.85 bar, 150 VA), electronic and mechanical overflow protection, bacterial filter
Compressed air (optional):	12 l/min at 2,700 rpm and 138 VA, optionally adjustable from 0.2 to 2.5 bar
Ear rinsing with continuous flow heating (optional):	+37° C +/-1° C, 500 ml/min, max. 1,500 VA (when heating)
Ear rinsing with water heater system (optional):	+37° C +/-1° C, 500 ml/min, max. 550 VA (when heating)
Water tank (optional):	5 litres
Light source, halogen (optional):	150 VA, 15 V
Light source, LED (optional):	30 VA, 12 V
Total weight:	approx. 60 kg (depending on equipment)
Dimensions (WxHxD):	410 x 790 x 585 mm
Ambient temperature:	from +5° C to +35° C

Subject to technical modifications

# MODULA Paris ○

Maximum equipment  
occupying minimal space



## Product description



MODULA Paris – the complete functional scope in a small space. If you only have limited space available or you need a second, small unit with specific functions, this is the treatment unit for you. This treatment unit offers the complete range of functions of large treatment units (e.g., MODULA Europa). Despite its size, the MODULA Paris offers plenty of space for instruments and devices. It can be equipped with instrument trays on up to three levels (one extending) or a gallery.



## Standard equipment

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit with stainless steel base, antistatic heavy-duty rollers
- Electronic operating and display system: robust, user-friendly glass display with touch-sensitive function keys
- Instrument holder for handpieces, swivelling
- Integrated rapid mirror warmer, with fan
- 3 drawers, fully extending with soft close system
- 3 disinfection quivers for rigid endoscopes with silicone adapter
- 2 instrument levels with stainless steel instrument trays
- Indirect illumination for instrument levels
- Acrylic instrument cover can be sunk behind the cabinet
- Stainless steel instrument tray for used instruments with silicone insert
- Waste bin, opening with foot pedal (self-closing)



*Image does not show standard equipment*

- |   |   |    |  |
|---|---|----|--|
| 1 | Water handpiece, compressed air sprayer, suction hose | 8  | Gallery as expansion of storage possibilities  |
| 2 | Glass display as a display and control element        | 9  | Fully extending drawers with soft close system |
| 3 | Instrument trays on up to three levels                | 10 | Stainless steel instrument tray                |
| 4 | LED or halogen cold light sources                     | 11 | Mirror warmer                                  |
| 5 | Antibacterial tubes with quick couplings              | 12 | Robust design featuring high-quality materials |
| 6 | Endoscope quivers                                     | 13 | Waste bin                                      |
| 7 | Tube rinsing system                                   | 14 | Cotton wool and tongue swab dispenser          |

## Example ENT workstation



*Image does not show standard equipment*

- |   |  |
|---|--|
| <b>1</b> Gallery above instrument level as extended surface possibility for additional devices or instruments | <b>4</b> MODULA 4.SA patient chair with electrical height adjustment and synchronous adjustment of leg support |
| <b>2</b> Holder for a cold light headlamp with automatic switching on/off                                     | <b>5</b> Various ENT instruments   |
| <b>3</b> Cotton wool and tongue swab dispenser as side attachment on treatment unit                           | <b>6</b> Endoscopy camera XE-50 TFT/USB  |

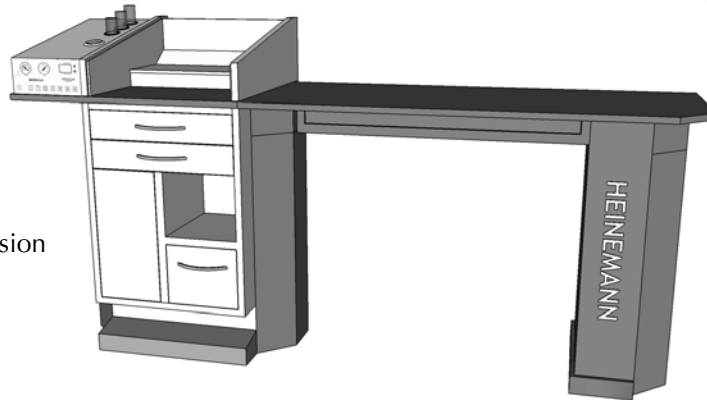
## Example model versions



Cotton wool and tongue swab dispenser as side attachment

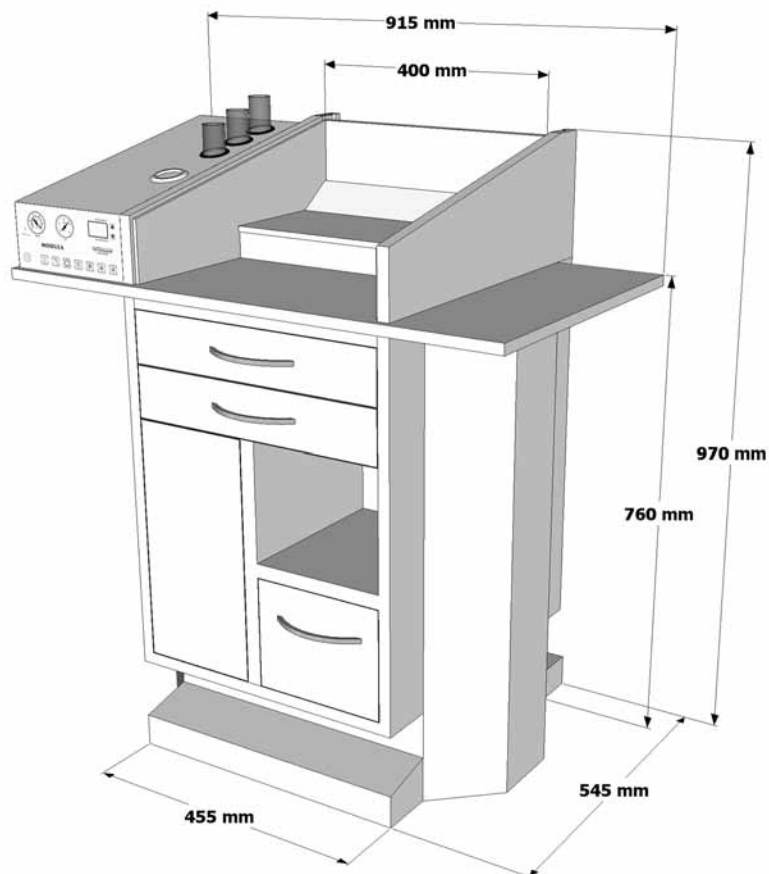


Mirror warming block on the top instrument level



120 cm desk extension

## Dimensions





## Standard colours (antibacterial coating with fine structure):

				
RAL 1001 Beige	RAL 1013 Pearl white	RAL 1028 Melon yellow	RAL 3004 Purple	RAL 3020 Traffic red
				
RAL 5003 Sapphire blue	RAL 5010 Gentian blue	RAL 5014 Pigeon blue	RAL 5018 Turquoise blue	RAL 5024 Pastel blue
				
RAL 6029 Mint green	RAL 6034 Pastel turquoise	RAL 7016 Anthracite grey	RAL 7032 Pebble grey	RAL 7035 Light grey
				
RAL 7044 Silk grey	RAL 7045 Telegrey 1	RAL 9010 Pure white	RAL 9016 Traffic white	

The colours shown here may differ from those on the screen or in print

## Technical details:

Mains voltage, mains frequency:	230 V (+/- 10 %) at 50/60 Hz
Power consumption:	max. 2.3 kVA at 10 A
Classification:	Ila
Protection category:	I
Degree of protection:	B
Motor suction (optional):	Vacuum pump (oil-free, suction capacity 40 l/min at -0.85 bar, 150 VA), electronic and mechanical overflow protection, bacterial filter
Compressed air (optional):	12 l/min at 2,700 rpm and 138 VA, optionally adjustable from 0.2 to 2.5 bar
Ear rinsing with continuous flow heating (optional):	+37° C +/-1° C, 500 ml/min, max. 1,500 VA (when heating)
Ear rinsing with water heater system (optional):	+37° C +/-1° C, 500 ml/min, max. 550 VA (when heating)
Water tank (optional):	5 litres
Light source, halogen (optional):	150 VA, 15 V
Light source, LED (optional):	30 VA, 12 V
Total weight:	approx. 140 kg (depending on equipment)
Dimensions (WxHxD):	915 x 970 x 545 mm
Ambient temperature:	from +5° C to +35° C

Subject to technical modifications



# MODULA Europa

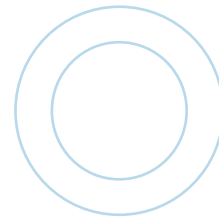
Complete equipment and  
optimal storage possibilities



## Product description

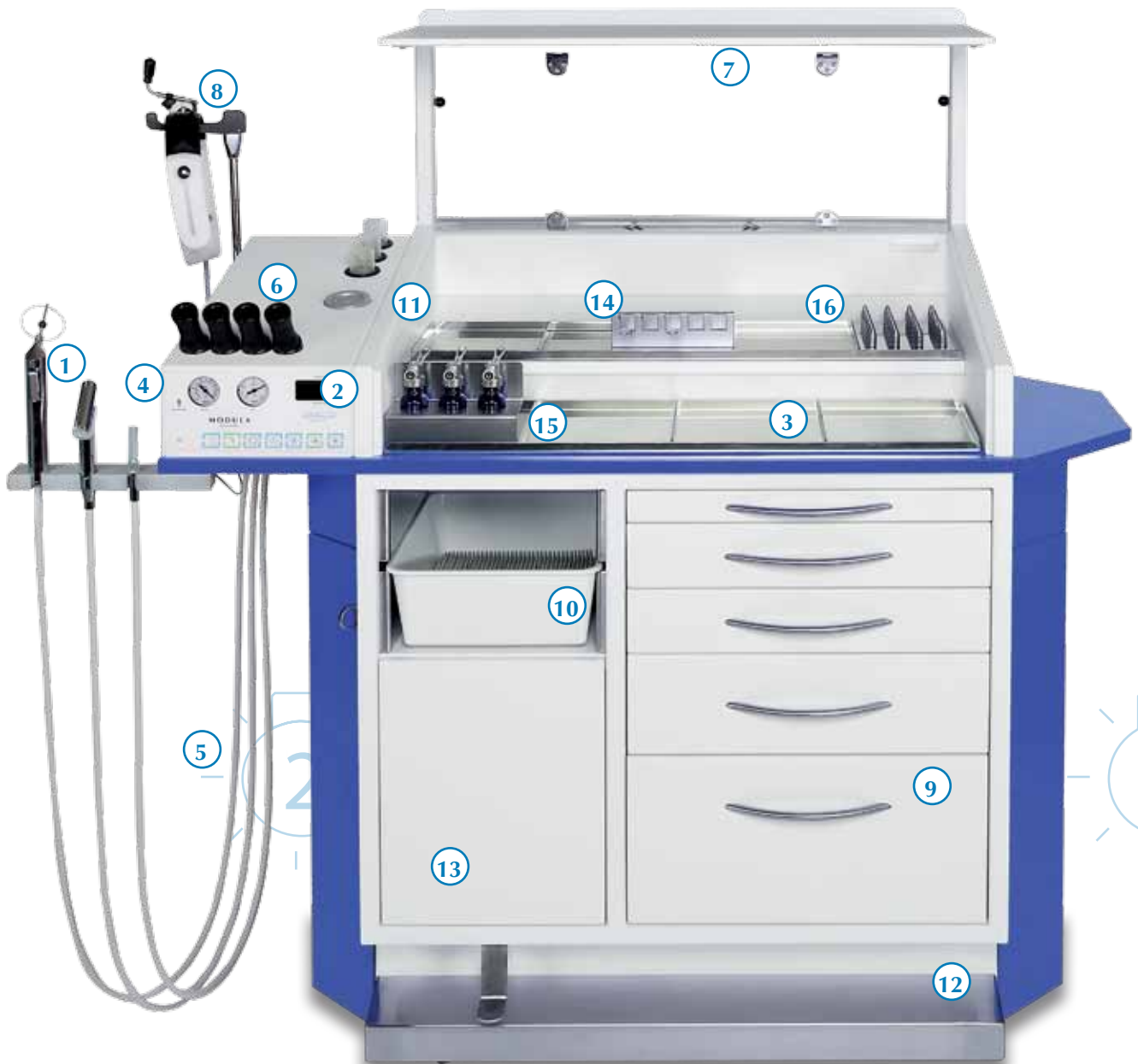


MODULA Europa – stands for large product variety and individual equipment possibilities. Installed desk, PC workstation, swivel arm or gallery for different units – we design and produce the unit to suit your requirements. The MODULA Europa is the optimal size so that not only can all components be optimally placed, but there is also a wide range of storage possibilities to choose from for instruments. You can choose from fully extending drawers as well as instrument drawers with flat stainless steel trays on up to three levels.



## Standard equipment

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit with stainless steel base, antistatic heavy-duty rollers
- Electronic operating and display system: robust, user-friendly glass display with touch-sensitive function keys
- Instrument holder for handpieces, swivelling
- Integrated rapid mirror warmer, with fan
- 4 drawers, fully extending with soft close system
- Extending writing/preparation shelf, stainless steel surface
- 3 disinfection quivers for rigid endoscopes with silicone adapter
- 2 instrument levels with stainless steel instrument trays
- Indirect illumination for instrument levels
- Acrylic instrument cover can be sunk behind the cabinet
- Melamine instrument tray for used instruments with silicone insert
- Waste bin, opening with foot pedal (self-closing)



*Image does not show standard equipment*

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>1 Water handpiece, compressed air sprayer, suction hose</li> <li>2 Glass display as a display and control element</li> <li>3 Instrument trays on up to three levels</li> <li>4 LED or halogen cold light sources</li> <li>5 Antibacterial tubes with quick couplings</li> <li>6 Endoscope quivers</li> <li>7 Gallery as expansion of storage possibilities</li> <li>8 Headlamp holder, turns on/off automatically, height-adjustable and swivelling for cold light headlamps</li> </ul> | <ul style="list-style-type: none"> <li>9 Fully extending drawers with soft close system</li> <li>10 Melamine instrument tray</li> <li>11 Mirror warmer</li> <li>12 Robust design featuring high-quality materials</li> <li>13 Waste bin</li> <li>14 Tongue depressor holder</li> <li>15 Stainless steel drug nebuliser holder</li> <li>16 Ear speculum holder</li> </ul> |
|--|--|

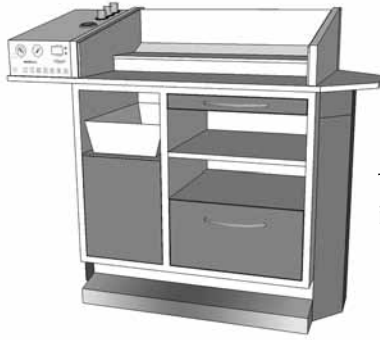
## Example ENT workstation



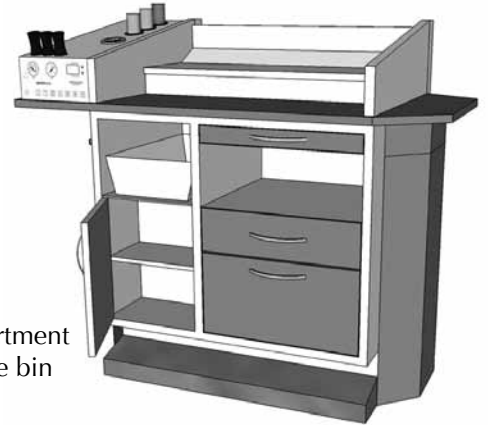
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- |   |   |   |   |
|---|---|---|---|
| 1 | ENT microscope KAPS Som 22 with an integrated cold light source (15 V / 150 VA) | 4 | MODULA 4.SA patient chair with electrical height adjustment and synchronous adjustment of leg support |
| 2 | Cold light headlamp   | 5 | Storage possibility for ENT instruments   |
| 3 | Rigid endoscopes  |   |   |

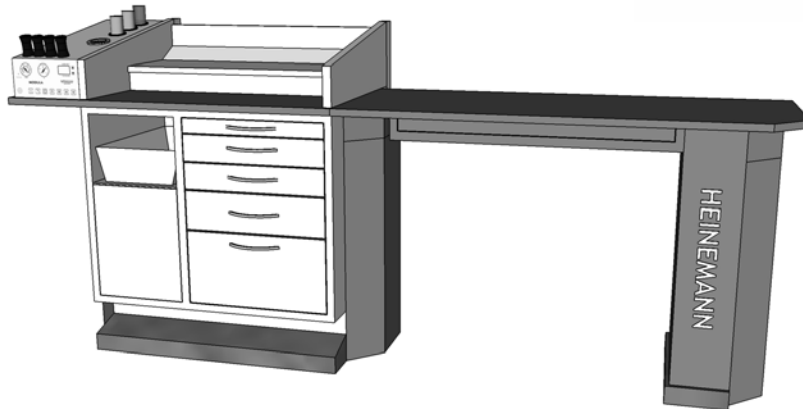
## Example model versions



Two storage compartments  
instead of two drawers

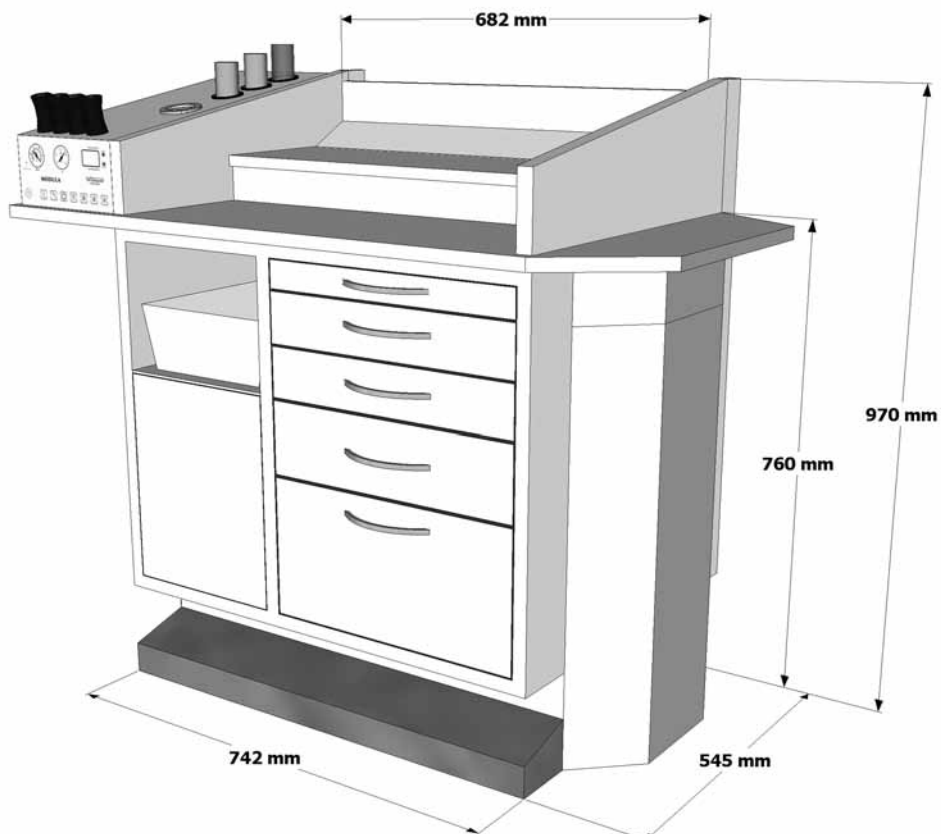


Storage compartment  
instead of waste bin



120 cm desk extension

## Dimensions



## Standard colours (antibacterial coating with fine structure):

				
RAL 1001 Beige	RAL 1013 Pearl white	RAL 1028 Melon yellow	RAL 3004 Purple	RAL 3020 Traffic red
				
RAL 5003 Sapphire blue	RAL 5010 Gentian blue	RAL 5014 Pigeon blue	RAL 5018 Turquoise blue	RAL 5024 Pastel blue
				
RAL 6029 Mint green	RAL 6034 Pastel turquoise	RAL 7016 Anthracite grey	RAL 7032 Pebble grey	RAL 7035 Light grey
				
RAL 7044 Silk grey	RAL 7045 Telegrey 1	RAL 9010 Pure white	RAL 9016 Traffic white	

The colours shown here may differ from those on the screen or in print

## Technical details:

Mains voltage, mains frequency:	230 V (+/-10 %) at 50/60 Hz
Power consumption:	max. 2.3 kVA at 10 A
Classification:	Ila
Protection category:	I
Degree of protection:	B
Motor suction (optional):	Vacuum pump (oil-free, suction capacity 40 l/min at -0.85 bar, 150 VA), electronic and mechanical overflow protection, bacterial filter
Compressed air (optional):	12 l/min at 2,700 rpm and 138 VA, optionally adjustable from 0.2 to 2.5 bar
Ear rinsing with continuous flow heating (optional):	+37° C +/- 1° C, 500 ml/min, max. 1,500 VA (when heating)
Ear rinsing with water heater system (optional):	+37° C +/- 1° C, 500 ml/min, max. 550 VA (when heating)
Water tank (optional):	5 litres
Light source, halogen (optional):	150 VA, 15 V
Light source, LED (optional):	30 VA, 12 V
Total weight:	approx. 160 kg (depending on equipment)
Dimensions (WxHxD):	1,123 x 970 x 545 mm
Ambient temperature:	from +5° C to +35° C

Subject to technical modifications



# MODULA Duo

**Variability and innovation**  
**Variability and innovation**



## Product description



MODULA Duo – the name stands for the flexibility of the construction and an optimal combination of functional components and instrument storage possibilities. The function module and additional cabinet module are connected with a joint. This creates the possibility for adapting the treatment unit individually to suit your treatment position.

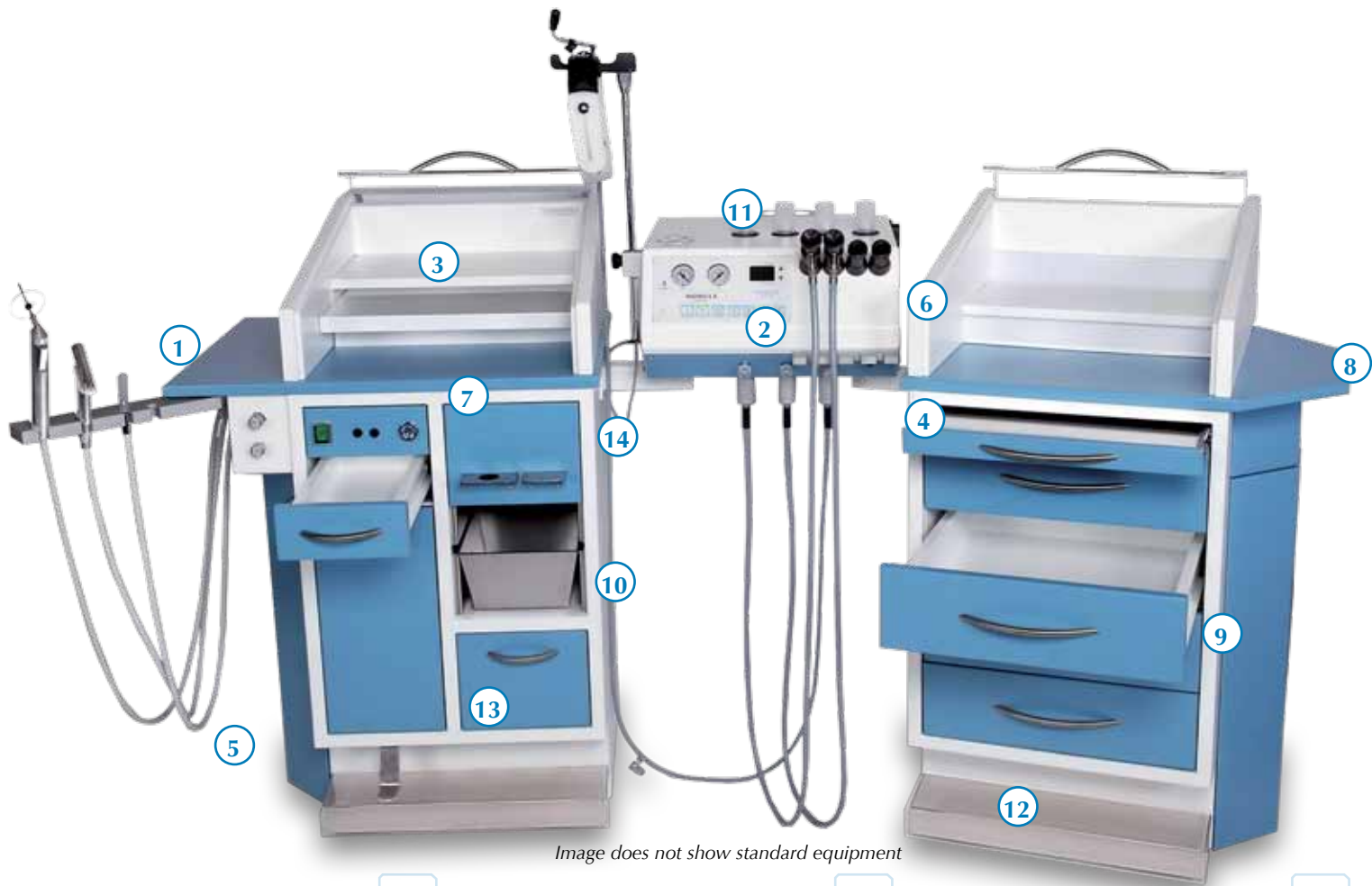
The light module is located between the two module parts and houses a modern control and display unit made of glass. It can be equipped with up to 4 cold light sources (halogen or LED), heatable endoscope holders, disinfection quivers and a holder for flexible endoscopes.



## Standard equipment

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit with stainless steel base, antistatic heavy-duty rollers
- Electronic operating and display system: robust, user-friendly glass display with touch-sensitive function keys
- Instrument holder for handpieces, swivelling
- Integrated rapid mirror warmer, with fan
- 6 drawers, fully extending with soft close system
- Extending writing/preparation shelf, stainless steel surface
- 4 disinfection quivers for rigid endoscopes with silicone adapter
- 2 instrument levels with stainless steel instrument trays
- Indirect illumination for instrument levels
- Acrylic instrument cover can be sunk behind the cabinet
- Stainless steel instrument tray for used instruments with silicone insert
- Waste bin, opening with foot pedal (self-closing)





*Image does not show standard equipment*

**1** Water handpiece, compressed air sprayer, suction hose

**2** Glass display as a display and control element

**3** Instrument trays on up to three levels

**4** LED or halogen cold light sources

**5** Antibacterial tubes with rapid couplings

**6** Endoscope quivers

**7** Tube rinsing system

**8** Instrument cabinet

**9** Fully extending drawers with soft close system

**10** Stainless steel instrument tray

**11** Mirror warmer

**12** Robust design featuring high-quality materials

**13** Waste bin

**14** Cotton wool and tongue swab dispenser



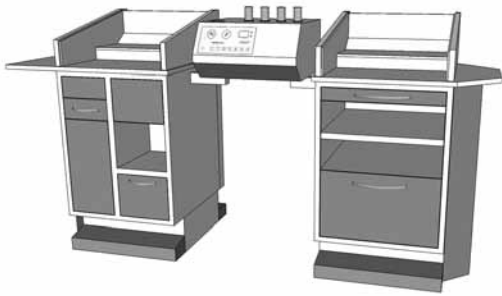
## Example ENT workstation



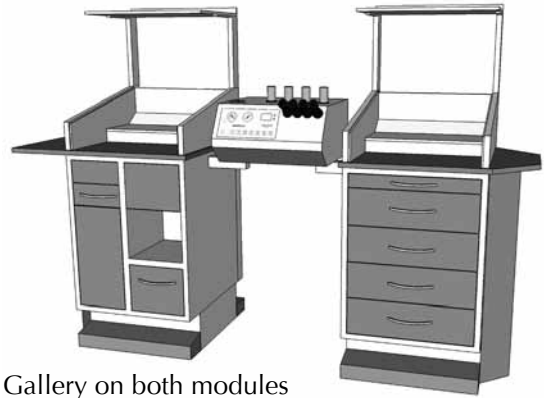
*Image does not show standard equipment*

- |   |   |
|---|---|
| 1 ENT microscope KAPS Som22, installation on unit | 4 Storage compartment for diagnostic devices (e.g., A-scan ultrasound, tympanometer or rhi-nomanometer) |
| 2 Cold light headlamp                             | 5 Various ENT instruments   |
| 3 Rigid endoscopes with fibreoptic light cables   | 6 Endoscopy camera XE-50 TFT/USB  |

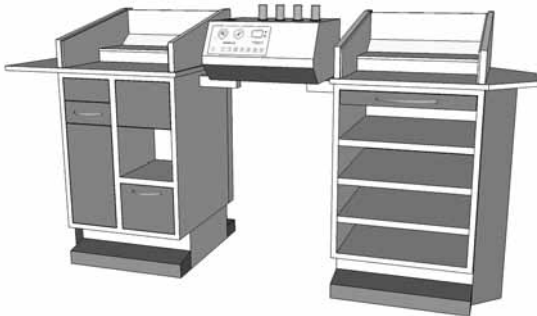
## Example model versions



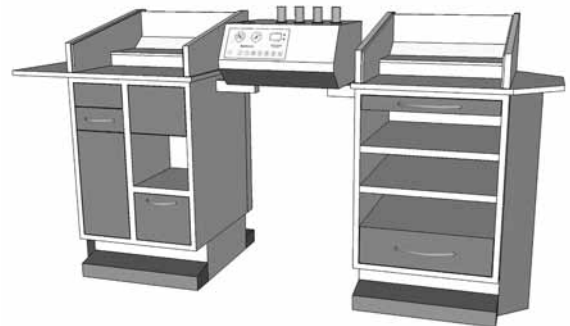
Two storage compartments instead of two top drawers



Gallery on both modules

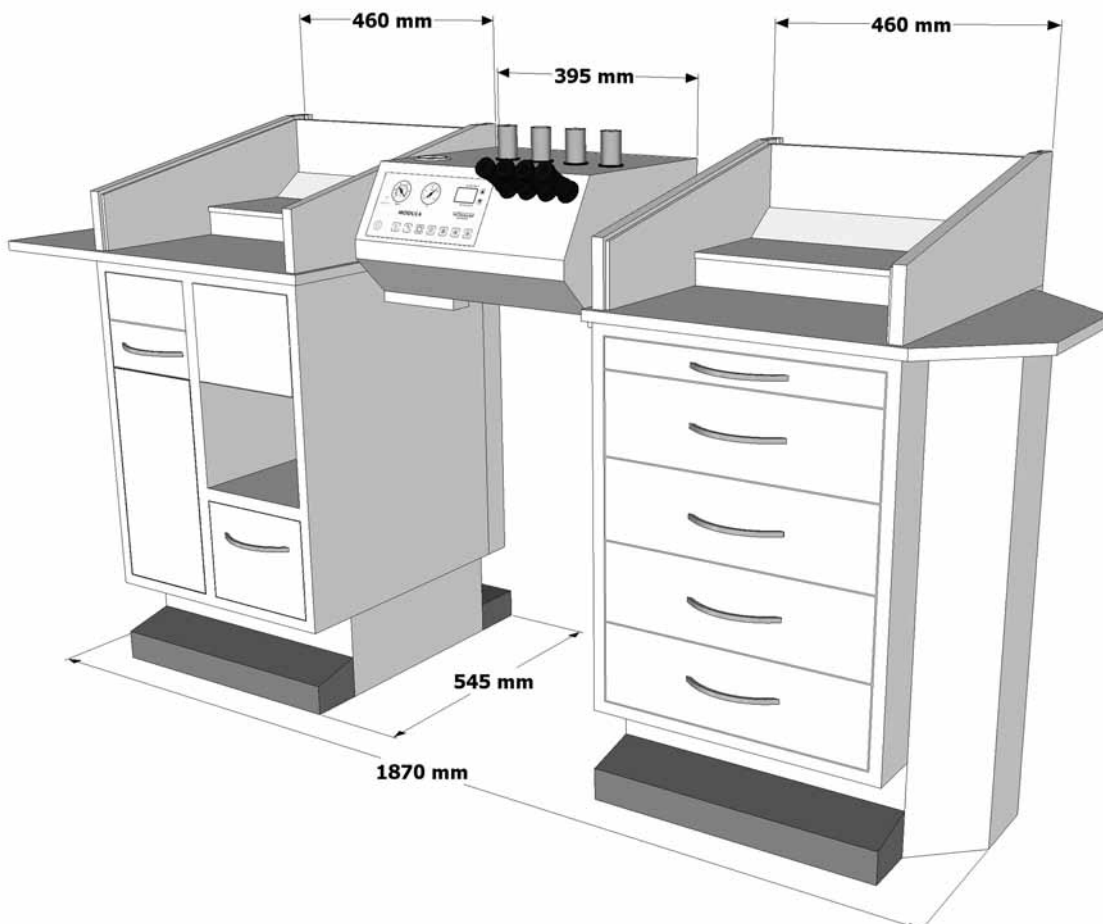


Instrument cabinet with storage compartments



Three storage compartments instead of three top drawers

## Dimensions



## Standard colours (antibacterial coating with fine structure):

				
RAL 1001 Beige	RAL 1013 Pearl white	RAL 1028 Melon yellow	RAL 3004 Purple	RAL 3020 Traffic red
				
RAL 5003 Sapphire blue	RAL 5010 Gentian blue	RAL 5014 Pigeon blue	RAL 5018 Turquoise blue	RAL 5024 Pastel blue
				
RAL 6029 Mint green	RAL 6034 Pastel turquoise	RAL 7016 Anthracite grey	RAL 7032 Pebble grey	RAL 7035 Light grey
				
RAL 7044 Silk grey	RAL 7045 Telegrey 1	RAL 9010 Pure white	RAL 9016 Traffic white	

The colours shown here may differ from those on the screen or in print

## Technical details:

Mains voltage, mains frequency:	230 V (+/-10 %) at 50/60 Hz
Power consumption:	max. 2.3 kVA at 10 A
Classification:	Ila
Protection category:	I
Degree of protection:	B
Motor suction (optional):	Vacuum pump (oil-free, suction capacity 40 l/min at -0.85 bar, 150 VA), electronic and mechanical overflow protection, bacterial filter
Compressed air (optional):	12 l/min at 2,700 rpm and 138 VA, optionally adjustable from 0.2 to 2.5 bar
Ear rinsing with continuous flow heating (optional):	+37° C +/- 1° C, 500 ml/min, max. 1,500 VA (when heating)
Ear rinsing with water heater system (optional):	+37° C +/- 1° C, 500 ml/min, max. 550 VA (when heating)
Water tank (optional):	5 litres
Light source, halogen (optional):	150 VA, 15 V
Light source, LED (optional):	30 VA, 12 V
Total weight:	approx. 220 kg (depending on equipment)
Dimensions (WxHxD):	1,870 x 970 x 545 mm
Ambient temperature:	from +5° C to +35° C

Subject to technical modifications

## Four models - One list of options

Options for MODULA units	REF	Duo	Europa	Paris	mini
<b>Housing options</b>					
LED instrument illumination with changing RGB colours (red, green, blue) incl. remote control	0110-20010	●	●	●	-
3 <sup>rd</sup> instrument level (central level extends forwards) (not together with REF: 0110-20025)	0110-20000	●	●	●	-
Heatable instrument storage surface (only for the top level respectively)	0110-20020	●	●	●	-
Mirror warming block for approx. 50 mirrors (not together with REF: 0110-20025)	0110-20110	●	●	●	-
Storage surface for drug bottles, integrated in the instrument level (not together with REF: 0110-20110)	0110-20025	●	●	●	-
Gallery above instrument level with powder-coated <b>aluminium shelf</b> (integrated board surface for devices)	0110-20060	●	●	●	-
Gallery above instrument level with matt <b>acrylic shelf</b> (integrated board surface for devices)	0110-20065	●	●	●	-
Lower shelf (instead of drawer)	0110-21000	●	●	-	●
Compartment for a melamine instrument tray	0110-21100	-	-	-	●
Flat, half-open drawer for instruments	0110-21300	-	-	-	●
Storage compartment with door (instead of waste bin)	0110-21200	●	●	●	-
Cotton wool and tongue swab dispenser (attached on right side of unit)	0110-20130	-	●	●	-
Cotton wool and tongue swab dispenser (integrated in the unit)	0110-20135	●	-	-	-
Desk extension S (approx. 50 cm extension)	0110-20150	-	●	●	-
Desk extension M (approx. 100 cm extension)	0110-20160	-	●	●	-
Desk extension M with sliding keyboard shelf (approx. 100 cm extension)	0110-20165	-	●	●	-
Desk extension L (approx. 120 cm extension)	0110-20170	-	●	●	-
Desk extension L with sliding keyboard shelf (approx. 120 cm extension)	0110-20175	-	●	●	-

Options for MODULA units	REF	Duo	Europa	Paris	mini
<b>Accessories adaptation</b>					
Headlamp holder (hook), not automatic (installed on swivel arm)	0110-20081	●	●	●	●
Headlamp holder, height-adjustable and swivelling, not automatic (installation in rear or front working area)	0110-20083	●	●	●	●
Headlamp holder, turns on/off automatically, height-adjustable and swivelling for cold light headlamps (installation in rear or front working area)	0110-20080	●	●	●	●
Headlamp holder, turns on/off automatically, height-adjustable and swivelling for CLAR (6) headlamps (installation in rear or front working area)	0110-20090	●	●	●	●
Holder for camera head (magnetic)	0110-20082	●	●	●	●
Microscope holder for ZEISS microscopes (installation on unit)	0110-70000	●	●	●	-
Microscope holder for KAPS microscopes (installation on unit)	0110-70100	●	●	●	-
Swivel arm for 10" to 26" TFT monitor (installed on microscope column or stand tube)*	0110-71000	●	●	●	-
Stand column for swivel arms (installation on unit)	0110-71030	●	●	●	-
Stand column + monitor holder for 10" to 26" TFT monitor (installation on unit)*	0110-71035	●	●	●	-
Swivel arm with storage surface for additional devices (installed on microscope column or stand column)*	0110-71010	●	●	●	-
Swivel arm with mount for "ecoCAM" endoscopy camera (installed on microscope column or stand column)*	0110-71040	●	●	●	-
Swivel arm with mount for "starCAM" endoscopy camera (Installed on microscope column or stand column)*	0110-71041	●	●	●	-
Swivel arm with mount for "XE-50/TFT" endoscopy camera (installed on microscope column or stand column)*	0110-71042	●	●	●	-
Swivel arm with storage surface for diagnostic devices (installed on microscope column or stand column)*	0110-71043	●	●	●	-
Monitor holder, screw-through fixation (installation on desk)	0110-71020	-	-	-	●
Monitor holder, screw-through fixation with swivel arm (installation on desk)	0110-71030	-	-	-	●

\*Only one swivel arm on the stand or microscope column respectively



Options for MODULA units	REF	Duo	Europa	Paris	mini
<b>Suction system</b>					
Suction with manual suction reservoir: vacuum pump (oil-free, capacity 40 l/min at -0.85 bar), vibration-free bracket for vacuum pump, automatic turning on/off when suction tube removed (no water connection necessary)	0120-10100	●	●	●	●
"Sekretomatik": vacuum pump (oil-free, capacity 40 l/min at -0.85 bar), automatic suction reservoir with rinsing system, vibration-free bracket for vacuum pump, automatic turning on/off when suction tube removed including lift pump (Water connection necessary)	0120-10000	●	●	●	●
Suction for MediVac 1.5 l disposable secretion bag: vacuum pump (oil-free, capacity 40 l/min at -0.85 bar), vibration-free bracket for vacuum pump, automatic turning on/off when suction tube removed (no water connection necessary)	0120-10200	●	●	●	●
MediVac disposable internal bag with gelling agent, 1.5 l (45 pieces)	0120-10230	●	●	●	●
Disposable tube, 2 m (25 pieces)	0120-10240	●	●	●	●
Increased suction capacity 60 l/min (instead of 40 l/min vacuum pump)	0120-20010	●	●	●	●
Increased suction capacity thanks to very high performance MEDELA vacuum pump incl. vacuum regulator	0120-20020	-	●	-	-
Vacuum regulator for most precise dosing	0120-50000	●	●	●	●
Separate suction tube for the adaptation of spit bowl / ear rinsing bowl with automatic turning on/off when suction tube removed	0120-10500	●	●	●	●
Separate motorised suction system for spit bowl / ear rinsing bowl (Roller pump 3 l/min)	0120-10300	-	●	-	-
Tube rinsing system for automatic cleaning of the suction tube with system water pressure (only in combination with REF: 0120-10000)	0120-30000	●	●	●	●
Tube rinsing/cleaning system via container installed on the side of the unit with disinfectant solution	0120-30010	●	●	●	●
Metal nasal olive for the suction tube, small	0120-50210	●	●	●	●
Metal nasal olive for the suction tube, medium	0120-50220	●	●	●	●
Metal nasal olive for the suction tube, large	0120-50230	●	●	●	●
Fingertips for temporary reduction of suction capacity (100 pieces)	0120-50100	●	●	●	●

Options for MODULA units	REF	Duo	Europa	Paris	mini
<b>Ear rinsing system</b>					
+37° C ear rinsing system with continuous flow heating: digital temperature display, rinsing handle with exchangeable cannulas attachments incl. Aquastop valve and connection tubes (Water purification filter additionally required)	0130-10000	●	●	●	●
Vestitherm expansion for caloric stimulation in vestibular examinations, temperature can be set from +22° C to +44° C (only in combination with REF: 0130-10000)	0130-11000	●	●	●	●
+37° C autonomous ear rinsing system: water heater, external water tank (5 litres). Independent of domestic water supply, meaning that the use of a water separator is not required (Water purification filter additionally required)	0130-12000	●	●	●	●
System for preventing microbial contamination of water-carrying parts. Reduces the risk of biofilms forming in the water system (not possible together with REF: 0130-12000)	0130-40000	●	●	●	●
Water purification filter (disposable: lifespan 4 weeks), for insertion between the water jet and cannula (each).	0130-42000	●	●	●	●
Ear rinsing bowl, adaptable to connection tube	0130-50000	●	●	●	●
Sink/spit bowl, adaptable to connection tube	0130-50010	●	●	●	●
Irrigation cannula for water jet, length 40 mm	0130-50027	●	●	●	●
Irrigation cannula for water jet, length 80 mm	0130-50025	●	●	●	●
Irrigation cannula for water jet, length 110 mm	0130-50026	●	●	●	●
<b>Compressed air system</b>					
Compressed air unit: compressor (oil-free, 12 l/min, max. 2.5 bar) stainless steel pressure container, chrome-plated compressed air handpiece incl. 3 drug nebulisers and holder for stainless steel spray bottles	0140-10000	●	●	●	●
Compressed air control valve for fine dosing (required for Politzer manoeuvre or use on children)	0140-50000	●	●	●	●
Plastic Politzer olives, 1 set with three different sizes (small, medium, large)	0140-21300	●	●	●	●
Plastic Politzer olive, small (15 mm)	0140-21301	●	●	●	●
Plastic Politzer olive, medium (18 mm)	0140-21302	●	●	●	●
Plastic Politzer olive, large (22 mm)	0140-21303	●	●	●	●
Drug nebuliser for liquids, complete with nebuliser attachment and bottles	0140-60101	●	●	●	●
Drug nebulisers for powders, complete with nebuliser attachment and bottles	0140-60102	●	●	●	●
Nebuliser attachment for liquids (without bottles)	0140-60103	●	●	●	●
Nebuliser attachment for powders (without bottles)	0140-60105	●	●	●	●
Drug nebuliser bottles (each)	0140-60104	●	●	●	●



Options for MODULA units	REF	Duo	Europa	Paris	mini
<b>Cold light system</b>					
1 cold light source, 150 Watt halogen, heat absorbing filter, Storz connection, lifespan approx. 500 hours	0150-10100	●	●	●	●
2 cold light sources, 150 Watt halogen, heat absorbing filter, Storz connection, lifespan approx. 500 hours	0150-10200	●	●	●	●
3 cold light sources, 150 Watt halogen, heat absorbing filter, Storz connection, lifespan approx. 500 hours	0150-10300	●	●	●	●
4 cold light sources, 150 Watt halogen, heat absorbing filter, Storz connection, lifespan approx. 500 hours	0150-10400	●	●	●	-
Regulation of light intensity for halogen cold light source(s)	0150-20010	●	●	●	●
1 cold light source, LED (corresponds to a 150 W halogen lamp), heat protection filter, Storz connection, intensity regulation, lifespan approx. <b>30,000</b> hours	0150-10500	●	●	●	●
2 cold light sources, LED (corresponds to a 150 W halogen lamp), heat protection filter, Storz connection, intensity regulation, lifespan approx. <b>30,000</b> hours	0150-10600	●	●	●	●
3 cold light sources, LED (corresponds to a 150 W halogen lamp), heat protection filter, Storz connection, intensity regulation, lifespan approx. <b>30,000</b> hours	0150-10700	●	●	●	●
4 cold light sources, LED (corresponds to a 150 W halogen lamp), heat protection filter, Storz connection, intensity regulation, lifespan approx. <b>30,000</b> hours	0150-10800	●	●	●	-
Connection for headlamp 6 V (e. g., CLAR headlamp, warm light)	0150-60100	●	●	●	●
Fibreoptic light cable, straight, length = 180 cm (each)	0150-30100	●	-	-	-
Fibreoptic light cable, 90° angled, length = 180 cm (each)	0150-30000	-	●	●	●
Fibreoptic light cable adapter, for endoscope (Storz, Wolf...)	0150-31000	●	●	●	●
Fibreoptic light cable adapter, for light source (Storz, Wolf...)	0150-32000	●	●	●	●
LED hand light source with Li-Ion battery and quick-charging plug	0150-40000	●	●	●	●
<b>Endoscope storage</b>					
Endoscope holder, prewarmed	0150-50000	4*	4*	4*	3*
Endoscope holder, not prewarmed	0150-50100	4*	4*	4*	3*
Preparation for the 4 <sup>th</sup> disinfection quiver for rigid endoscopes	0150-50200	-	●	●	-
Disinfection quiver for stainless steel flexible endoscopes with holder (3x)	0150-51000	●	●	●	●
Adapter for disinfection quivers for rigid endoscopes		●	●	●	●

\* Maximum possible number of endoscope quivers

Options for MODULA units	REF	Duo	Europa	Paris	mini
<b>Instrument storage</b>					
Stainless steel instrument tray attachment E1 for top level (for units with REF: 0110-20025)	0160-10040	●	-	●	-
Stainless steel instrument tray attachment E2 for top level	0160-10050	●	-	●	-
Stainless steel instrument tray attachment E3 for lower/middle level	0160-10060	●	-	●	-
Stainless steel instrument tray attachment E4 for top level (for units with REF: 0110-20000)	0160-10070	●	-	●	-
Stainless steel instrument tray attachment E5 for top level (for units with REF: 0110-20025)	0160-10000	-	●	-	-
Stainless steel instrument tray attachment E6 for top level	0160-10010	-	●	-	-
Stainless steel instrument tray attachment E7 for lower/middle level	0160-10020	-	●	-	-
Stainless steel instrument tray attachment E8 for top level (for units with REF: 0110-20000)	0160-10030	-	●	-	-
Stainless steel instrument tray for used instruments	0160-12000	●	-	●	-
Silicone insert for instrument tray	0160-11020	●	-	●	-
Stainless steel cover for instrument tray	0160-12100	●	-	●	-
Melamine instrument tray for used instruments	0160-11000	-	●	-	-
Silicone insert for instrument tray	0160-11030	-	●	-	-
Stainless steel basket for instrument tray	0160-11010	-	●	-	-
Stainless steel spray bottle holder with 3 drug nebulisers (Integration in the bottom level)	0160-21300	●	●	●	●
Stainless steel ear speculum holder, small (3x6)	0160-21000	●	●	●	-
Stainless steel ear speculum holder, medium (4x6)	0160-21010	●	●	●	-
Stainless steel tongue depressor holder, small (3 rows)	0160-21200	●	●	●	-
Stainless steel tongue depressor holder, medium (4 rows)	0160-21210	●	●	●	-

# Instrument cabinets

Are you looking for stable, spacious and mobile instrument cabinets or charts? We offer a wide range of instrument cabinets and video charts, which not only have the same design as the MODULA treatment units, but which you can also design to suit your personal requirements.

All the cabinets and trolley are composed of a stable, electrolytically galvanised plate housing with powder-coated stoved enamelling. The cabinets are all mobile and equipped with a acrylic cover. We offer you every model with basic equipment that you can expand to suit your requirements. Not only can you select the individual components in and on the cabinet however you wish, but you can also even choose the colour of the cabinet (19 RAL colours).

## HANSEAT-L

REF: 0300-10000

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit with stainless steel base, antistatic heavy-duty rollers
- 4 drawers, fully extending with soft close system
- 2 instrument levels with stainless steel trays
- **Melamine instrument tray for used instruments**
- **Waste bin opened with foot pedal, closes quietly automatically**
- Acrylic instrument cover can be sunk behind the cabinet
- Extending writing/preparation shelf – stainless steel surface



## HANSEAT-XL

REF: 0300-10100

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit with stainless steel base, antistatic heavy-duty rollers
- 4 continuous drawers, fully extending with soft close system
- 2 instrument levels with stainless steel trays
- Acrylic instrument cover can be sunk behind the cabinet
- Extending writing/preparation shelf – stainless steel surface



## HANSEAT-M

REF: 0300-20000

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit on stainless steel base
- 4 drawers, fully extending with soft close system
- 2 instrument levels with stainless steel trays
- Acrylic instrument cover can be sunk behind the cabinet



## HANSEAT-S

REF: 0300-30000

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit on stainless steel base
- 4 drawers, fully extending with soft close system
- 2 instrument levels with stainless steel trays
- Acrylic instrument cover can be sunk behind the cabinet



## Device/video trolleys:

- High-quality, electrolytically galvanised sheet steel housing
- Powder-coated stoved enamelling in RAL colours (see standard colour table)
- Mobile unit on stainless steel base
- 1 drawer
- Double-walled storage shelves, 480 x 480 mm
- The storage shelves can be adjusted in increments of 50 mm
- The intermediate shelves are very strong with a load-bearing capacity of approx. 50 kg
- Carrier sections each with 4 openings 50 mm in diameter
- Perforated sheet rear panel with 4 cable holes 50 mm in diameter
- 4 double-caster rubber wheels, 2 with lockable brake



Ordering information	REF
Device/video trolley L 900, <b>4 levels</b> (WxHxD: 900 x 555 x 450 mm)	0300-70000
Device/video trolley H 1.20 <b>4 levels</b> (WxHxD: 1,200 x 555 x 450 mm)	0300-60000

Additional equipment available on request

# Patient chairs

## MODULA 2.SA (hydraulic)

Top: Can be rotated and locked with the foot pedal, armrests made of integral form can be individually folded away backwards, backrest can be tilted approx. 10° forward from upright and backward until horizontal.

Base: Height-adjustable via **hydraulic oil pump** using the foot pedal, 200 mm hub, chrome-plated steel parts.



Ordering information	REF
MODULA 2.SA with hydraulic height adjustment	553-4612000
MODULA 2.SA as above, but with additional 90°-rotatable seat	553-4622000
Fixed foot rest, chrome-plated	553-1330850
Fixed big foot rest, chrome-plated	553-1330900
Fixed big foot rest, foldable plate, chrome-plated	553-1337100

## MODULA 3.SA (electromechanical)

Top: Backrest can be infinitely adjusted between +9° and -90° via a lockable gas spring, adjusting lever on both sides. Armrests made of integral foam; when the backrest is adjusted, they drop to the correct surface height synchronously.

Base: Electromechanical hub 300 mm, can be rotated and locked 360°, base diameter 70 cm, separate foot pedal for adjusting the height of the seat



Ordering information	REF
<b>MODULA 3.SA</b> with electromechanical height adjustment	553-4616100
<b>MODULA 3.SA</b> as above, but with additional 90°-rotatable seat	553-4626100
Fixed foot rest, chrome-plated	553-1330850
Fixed big foot rest, chrome-plated	553-1330900
Fixed big foot rest, foldable plate, chrome-plated	553-1337100

## MODULA 4.SA (electromechanical, synchronous)

Top: Backrest can be infinitely adjusted between +9° and -90° via a lockable gas spring, lever on both sides for adjusting backrest, armrests made of integral foam, can be swivelled approx. 100° backwards. When the backrest is adjusted, they drop to the correct surface height synchronously.

Base: electromechanical hub 300 mm, can be rotated and locked 360°, base diameter 70 cm, separate foot pedal for adjusting the height of the seat, synchronous leg component whereby the foot bar swings up into the lying position.



Ordering information	REF
MODULA 4.SA with synchronous adjustment of the lying surface	553-4636100
MODULA 4.SA as above, but with additional 90°-rotatable seat	553-4646100



## MODULA 5.SA (synchronous, fully electrical)

Top: Backrest can be **infinitely adjusted via an electric motor**, between +9° and -90°, lever on both sides for adjusting backrest, armrests made of integral foam, can be swivelled approx. 100° backwards. When the backrest is adjusted to the horizontal position, they drop to the correct surface height synchronously. Grip on front of armrest

Base: electromechanical hub 300 mm, can be rotated and locked 360°, base diameter 70 cm, separate foot pedal for adjusting the height of the seat and backrest, synchronous leg component whereby the foot bar swings up into the lying position.



### Ordering information

### REF

MODULA 5.SA

553-4736100

MODULA 5.SA as above, but with additional 90°-rotatable seat

553-4746100

# Working chairs

## Working stool, model 1

Working stool with safety castors with brakes:

- Height-adjustable from 46 to 73 cm
- Seat **40 cm**
- Highly polished aluminium cross base
- Permanently chrome-plated steel parts
- Safety castors with brakes



Ordering information	REF
Working stool with height-adjustable seat 42-54 cm (without foot ring)	553-3006105
Working stool with height-adjustable seat 46-58 cm (without foot ring)	553-3006205
Working stool with height-adjustable seat 54-73 cm (without foot ring)	553-3006305
Working stool with height-adjustable seat 46-58 cm ( <b>with</b> foot ring)	553-3007005
Working stool with height-adjustable seat 54-73 cm ( <b>with</b> foot ring)	553-3007105

## Working chair, model 2

Working chair with safety castors with brakes:

- Backrest is 180° rotatable; height and inclination can be set
- Seat **40 cm**
- Height-adjustable from 46 to 73 cm
- Highly polished aluminium cross base
- Permanently chrome-plated steel parts
- Safety castors with brakes



### Ordering information

### REF

Working chair with height-adjustable seat 42-54 cm (without foot ring)

553-4154105

Working chair with height-adjustable seat 46-58 cm (without foot ring)

553-4154205

Working chair with height-adjustable seat 54-73 cm (without foot ring)

553-4154305

Working chair with height-adjustable seat 46-58 cm (**with** foot ring)

553-4155005

Working chair with height-adjustable seat 54-73 cm (**with** foot ring)

553-4155105

### Working chair, model 3

Working chair with safety castors with brakes and backrest:

- Height of backrest can be adjusted via the **foot pedal**
- Seat 40 cm
- Seat height 57-73 cm
- Highly polished aluminium cross base
- Permanently chrome-plated steel parts
- Backrest is 180° rotatable
- With **foot ring**



#### Ordering information

REF

Working chair with height-adjustable seat 57-73 cm

553-4155305

## Working chair, model 4

Working chair with safety castors with brakes and backrest:

- Height of backrest can be adjusted via the **foot pedal**
- Cushioned seat 40 cm
- **Anatomically** designed seat edge
- Seat height 57-73 cm
- Highly polished aluminium cross base
- Permanently chrome-plated steel parts
- Backrest is 180° rotatable
- With **foot ring**



### Ordering information

REF

Working chair with height-adjustable seat 57-73 cm

553-4185305

# ENT microscopes



SOM 22

SOM 62

## SOM model range

Standard equipment:

- 3-level magnification changer
- Lens  $f = 200$  mm
- Binocular straight tube  $f = 125$  mm
- Eyepieces for spectacle wearers
- Illumination unit 15 V, 150 VA

## Examples of additional equipment



**Microscope holder with fine focussing**



**Beam splitter with endoscope adapter**



**Lenses**



**Rapid lens changer**



**Handles**

Ordering information	REF
KAPS SOM 22 (installation in unit) with cold light illumination	535-0500059
KAPS SOM 32 (wall installation) with cold light illumination	535-0500011
KAPS SOM 62 (floor installation) with cold light illumination	535-0500014
Beam splitter with endoscope adapter	535-101890000
Lens $f = 400$ mm	535-101670000
Vario lens $f = 200-400$ mm	535-162700000
Rapid lens changer for 3x changer (without lens)	535-102181000

Additional equipment available on request



# ZEISS OPMI pico

Comprising the OPMI pico with 5x changer, integrated green and orange filter, a T-handle and integrated cold light fibreoptic illumination with rapid lamp changer

- Straight wide-field tube  $45^\circ$   $f = 170$  mm
- 2 eyepieces with 10x magnification
- Lens  $f = 250$  mm
- Wall, ceiling or floor stand including illumination unit and fibreoptic light cable
- 2 sleeves for tubes with screw thread
- Dust cover
- 6-pack of asepsis caps 12 mm





### Ordering information

### REF

Zeiss Opmi pico (installation on unit)

547-0500074

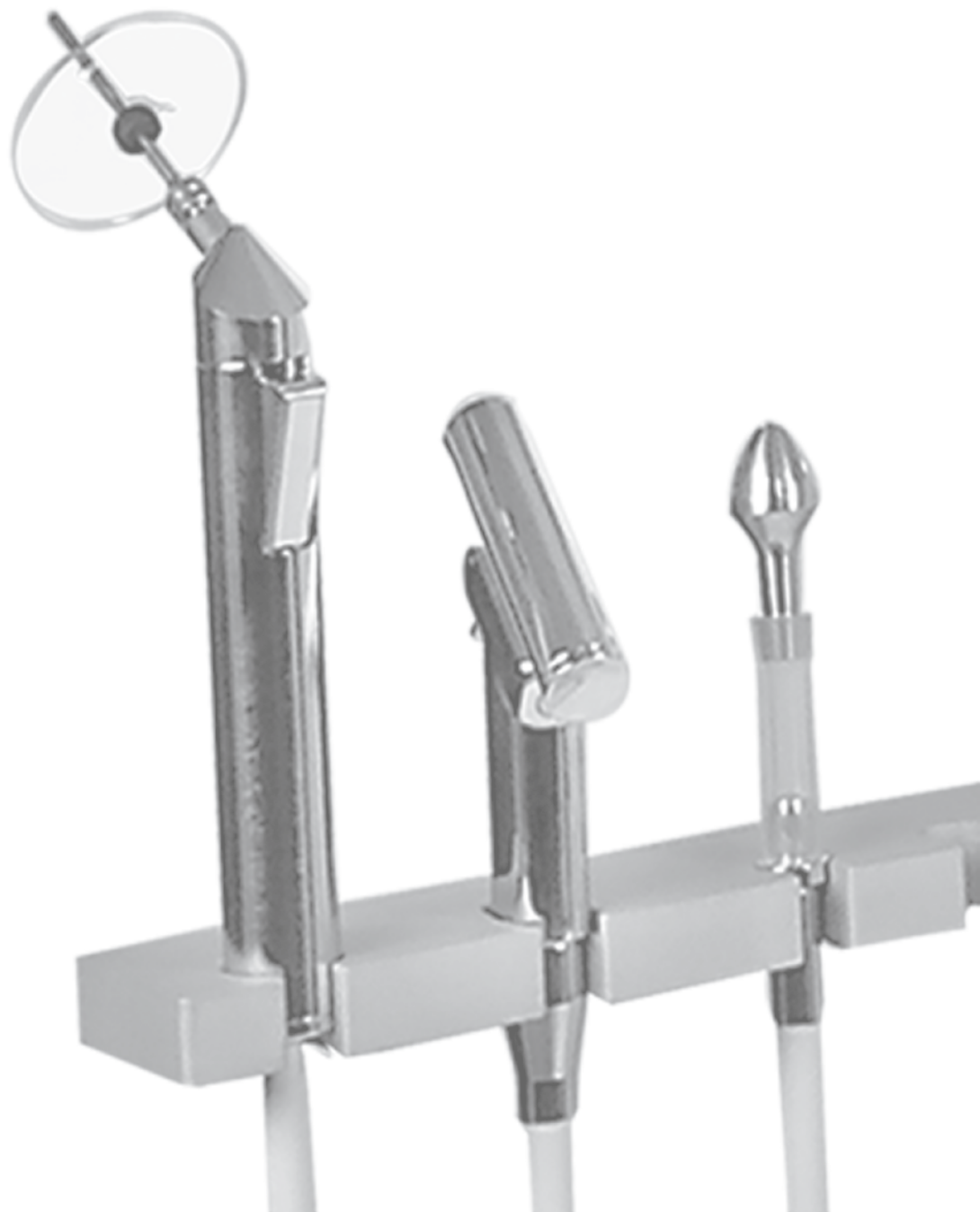
Endoport (beam splitter with endoscope adapter)

547-1153971

# Headlamps

Fibreoptic cold light headlamps		REF
<p><b>Cold light headlamp (standard)</b></p> <p>Complete with leather-upholstered headband, 2.2 m fibreoptic light cable installed on right, luminous field 50 to 210 mm</p> <p><b>0° (straight) cable head</b></p>	006-08315	
<p><b>Cold light headlamps (standard)</b></p> <p>Complete with leather-upholstered headband, 2.2 m fibreoptic light cable installed on right, luminous field 50 to 210 mm</p> <p><b>90° (angled) cable head</b></p>	006-08317	
<p><b>Microspot surgical cold light headlamp</b></p> <p>Focusable fibreoptic headlamp with high-performance optics and a light, comfortable headband. For the illumination of the smallest bodily cavities. Illuminous field of 7 to 63 mm.</p> <p><b>0° (straight) cable head</b></p>	006-08370	
<p><b>Microspot surgical cold light headlamp</b></p> <p>Focusable fibreoptic headlamp with high-performance optics and a light, comfortable headband. For the illumination of the smallest bodily cavities. Illuminous field of 7 to 63 mm.</p> <p><b>90° (angled) cable head</b></p>	006-08372	
Warm light headlamp		
<p><b>CLAR-S headlamps</b></p> <p>Headlamp complete with a Ø 55 mm concave mirror, adjustable, ergonomic headband and 2 m cable with banana plugs</p>	006-0812106	

LED cold light headlamps	REF	
<p>Standard surgical <b>LED</b> headlamp (<b>black</b> with headband)</p> <p>High-power, focusable headlamp with a white, high-performance LED. The Li-Ion battery integrated in the headband makes this light, comfortable model especially suitable for mobile applications.</p> <p>Total weight: 350 g (with battery pack on the headband)  Charging time: Approx. 4 hours from completely dead  Operating period: Approx. 3.5 hours  Working distance: 20 to 60 cm  Illuminous field diameter: 11 to 130 mm  Colour temperature: Approx. 6,000° K</p>	006-08795-S	
<p>Standard surgical <b>LED</b> headlamp (<b>white</b> with headband)</p> <p>High-power, focusable headlamp with a white, high-performance LED. The Li-Ion battery integrated in the headband makes this light, comfortable model especially suitable for mobile applications.</p> <p>Total weight: 350 g (with battery pack on the headband)  Charging time: Approx. 4 hours from completely dead  Operating period: Approx. 3.5 hours  Working distance: 20 to 60 cm  Illuminous field diameter: 11 to 130 mm  Colour temperature: Approx. 6,000° K</p>	006-08795-W	
<p><b>Profi 3S LED headlamp</b></p> <p>Extra bright LED headlamp with adjustable light intensity: Weight: 336 g, operating period: 10 hours (mPack), brightness: 50,000 lux, colour temperature: 6,250° K, luminous field size: 30-80 mm (at working distance of 420 mm)</p> <p><b>With mPack (battery) and plug-in transformer</b></p> <p>Binocular loupes for the 3S LED headlamp available on request</p>	122-00831313	



# Contact

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