

State-Of-The-Art



Design & Technology
Anatomy – Forensic – Pathology



Anatomy - Forensic Medicine - Pathology

Germany

a. Spicker GmbH
lienstr. 66
1669 München

artin Eis GmbH

orf

Tel. 08086/9300-0

84428 Buchbach

Medizintechnik:
Tel. 06408/50350

Fa. Medis GmbH
Bachstr. 9
35418 Buseck

Das Staatliche Bauamt München 2 sucht:
Dipl.Ing.(FH) Architektur,
Dipl.Ing. Elektrotechnik, Versorgungstechnik
Tel: 089/218112100

LEIFERLE

Specialized in the complete medical furnishing of institutes of anatomy, forensic medicine and pathology - worldwide.
Fig.: Anatomy of the University of Munich (LMU). LMU-photos are provided by courtesy of the governmental building authority Munich 2.

This is MEDIS Medical Technology

MEDIS Medical Technology is one of the leading developers and certified manufacturers of innovative technical device-systems. We have concentrated on offering complete and compatible system for ergonomical cadaver handling and storage / preservation and, most important, the adherence of health & safety rules for formaldehyde emissions (MAC value which is currently 0,3ppm). The only way to guarantee this task is a furnishing of an approved and coordinated system.

The product-system includes a complete range of products **for anatomy, pathology and forensic institutes**. These medical disciplines are the exclusive targets of our work.

The company is, due to its size and the modern machinery-park, also predestined to handle large projects.

Philosophy

The prerequisite for a good medical performance and an optimal teaching process is professional planning and equipping of institute and its individual departments.

This includes the integration of furnishing- and device-systems which are designed especially for scientific and economical aims. An integral part of our product-design-work is the elimination of hazardous and carcinogenic fumes created by preservation fluids like formalin or Thiel.

Experience

More than 30 years of experience has led to the development of a significant number of future-oriented products, which are available worldwide. First class quality standards have always played a crucial role.

Some outstanding new developments are:

- Dissection table systems with lateral extraction
- "PABH" body transport system
- Hydraulically operated whole body preservation cuvettes with fume-extraction
- "SprayCon" whole body spray preservation in a closed system
- "DryCon" whole body preservation system without formalin in a closed system
- Bone maceration units and bone degreasing units for the anatomy, forensic technology and museums of natural history
- OP-course-station for OP courses at whole body specimens in the anatomy
- Initial treatment station for severe burn injuries

For the latter seven systems MEDIS MT is so far the only manufacturer in the world!

Partnership with the users

Due to the previously mentioned rather special ranges of expertise, we are in constant contact with users around the world to get to know new methods, trends and occupational safety systems in order to integrate them into our systems. Therefore, the results of our work are technology products which are highly useful in practice. We see ourselves as a member of the user family and fill, as an innovator on abroad scale, existing technical gaps with life.

Anatomy Culture Projects



Royal Anatomy / University of Munich,
Illustration of the original dissecting rooms for students
in the year 1908.

Anatomy Culture Projects

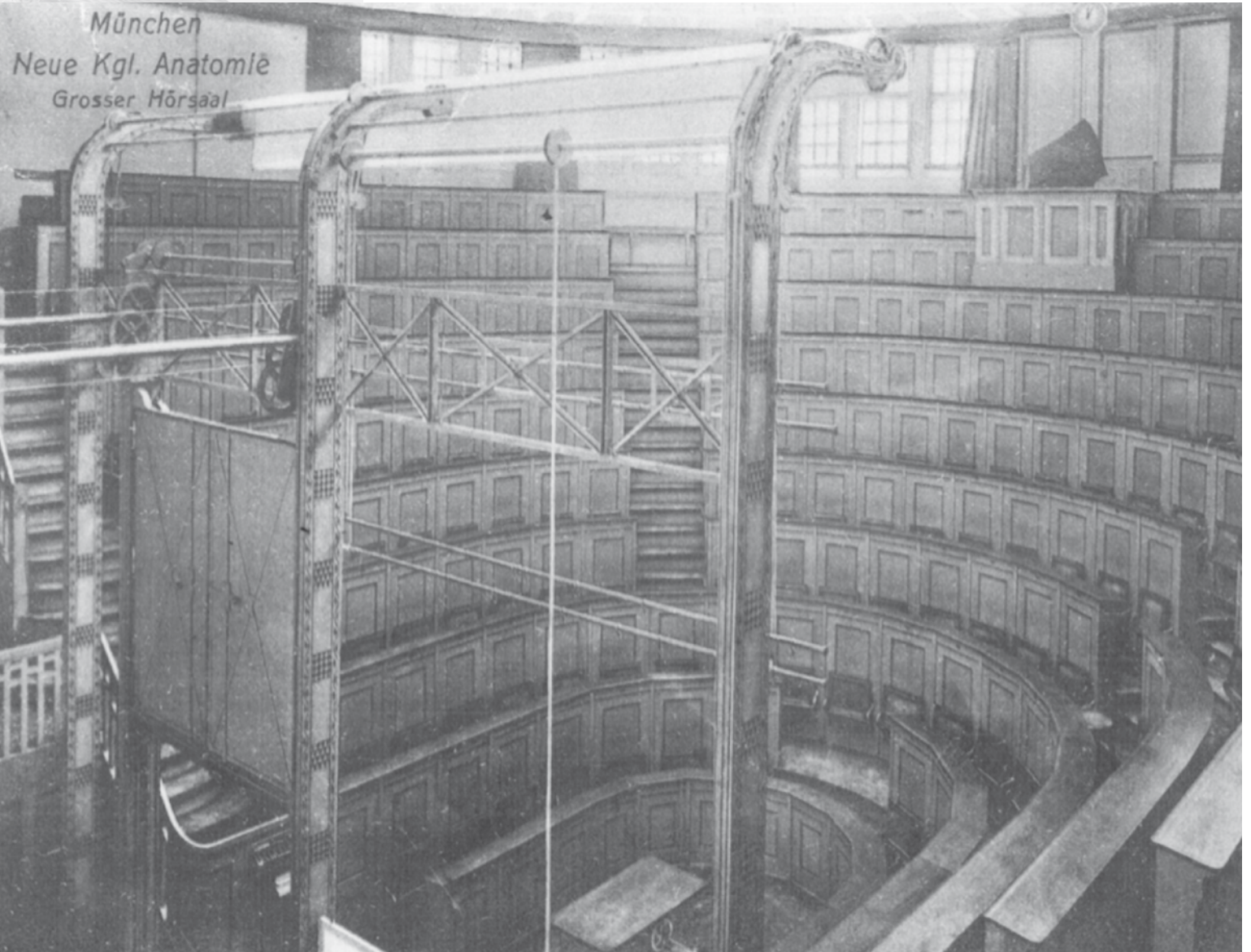


Complete medical-technical refurbishing of the dissecting room performed by MEDIS Medical Technology

Institute of Anatomy / University of Munich (LMU)

Dissecting room for 425 students. Full technical refurbishment of the medical-technical systems (dissection tables etc.) by MEDIS.

Anatomy Culture Projects



Royal Anatomy / University of Munich.
Illustration of the lecture theatre in the year 1908.

Anatomy Culture Projects

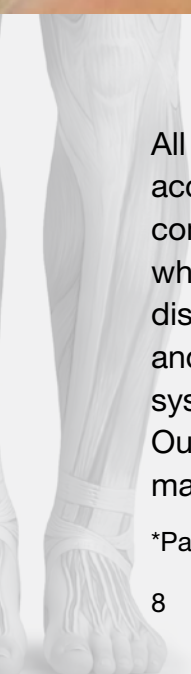
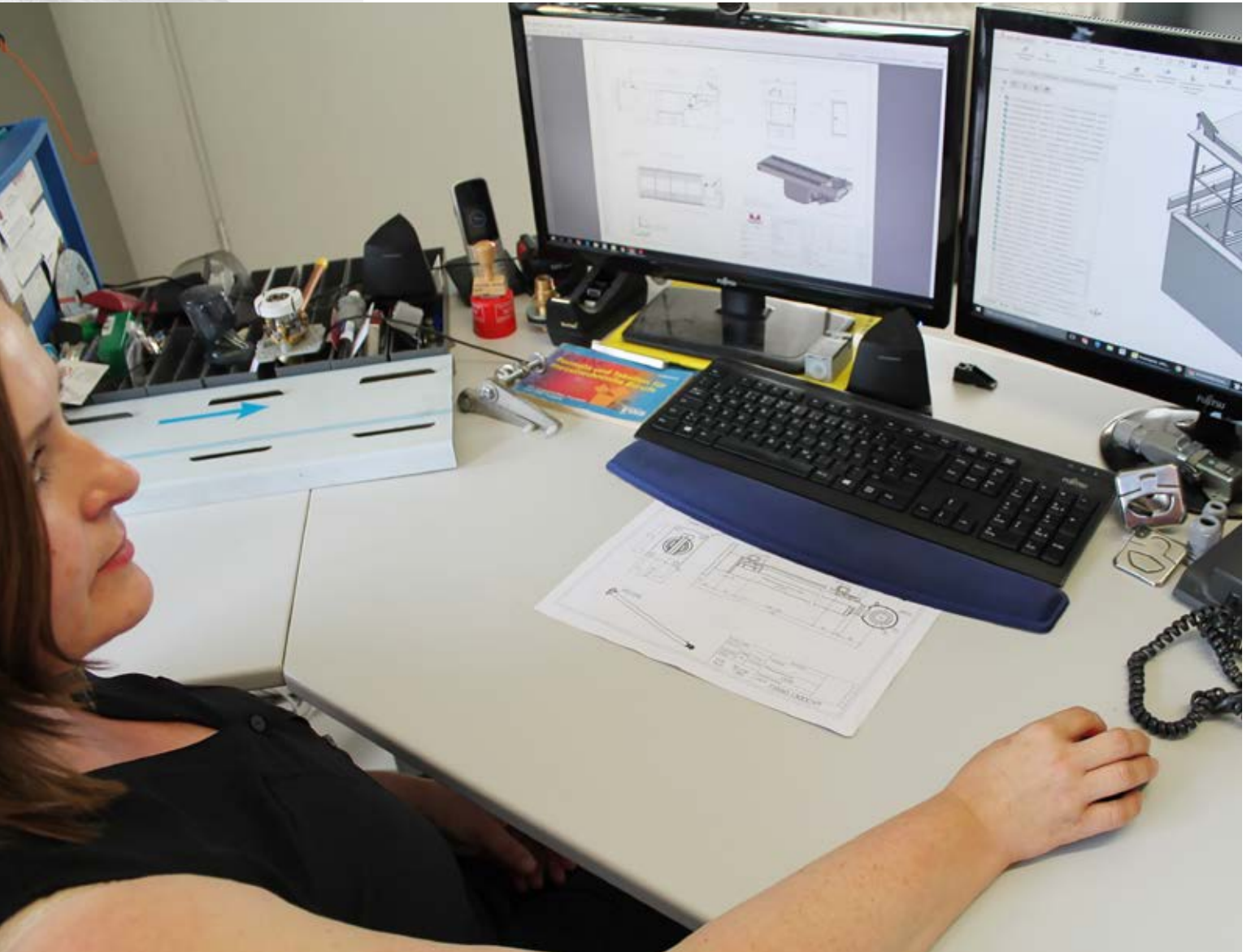


Refurbishment of the Institute of Anatomy of the LMU Munich with medical technology and systems by MEDIS.

Fig.: Whole-body preservation tanks for total 128 corpses.



Design / Engineering



All MEDIS-products are being designed and developed by our experienced specialists in accordance with the latest technology. For instance, we attach great importance to the compliance of prescribed emission values for formaldehyde. Therefore, we provide systems which grant the undershooting of the so-called TLV-value, in particular in the area of the dissecting rooms. All presented new products/ systems have been developed, manufactured and installed by MEDIS. Thus, we have the know-how and the design protection of these systems, which should play an important role in case of the procurement of new furnishings. Our PABH*-system makes sure that a manual transfer of the corpses is not necessary (One-man-operation).

*Pathology Anatomy Body Handling System

Production



Final assembly of our “DryCon” high pressure preservation unit for whole body specimens and organs.



Anatomy Projects



University of Heidelberg, institute of anatomy, dissecting room

Refurbishment of an existing institute

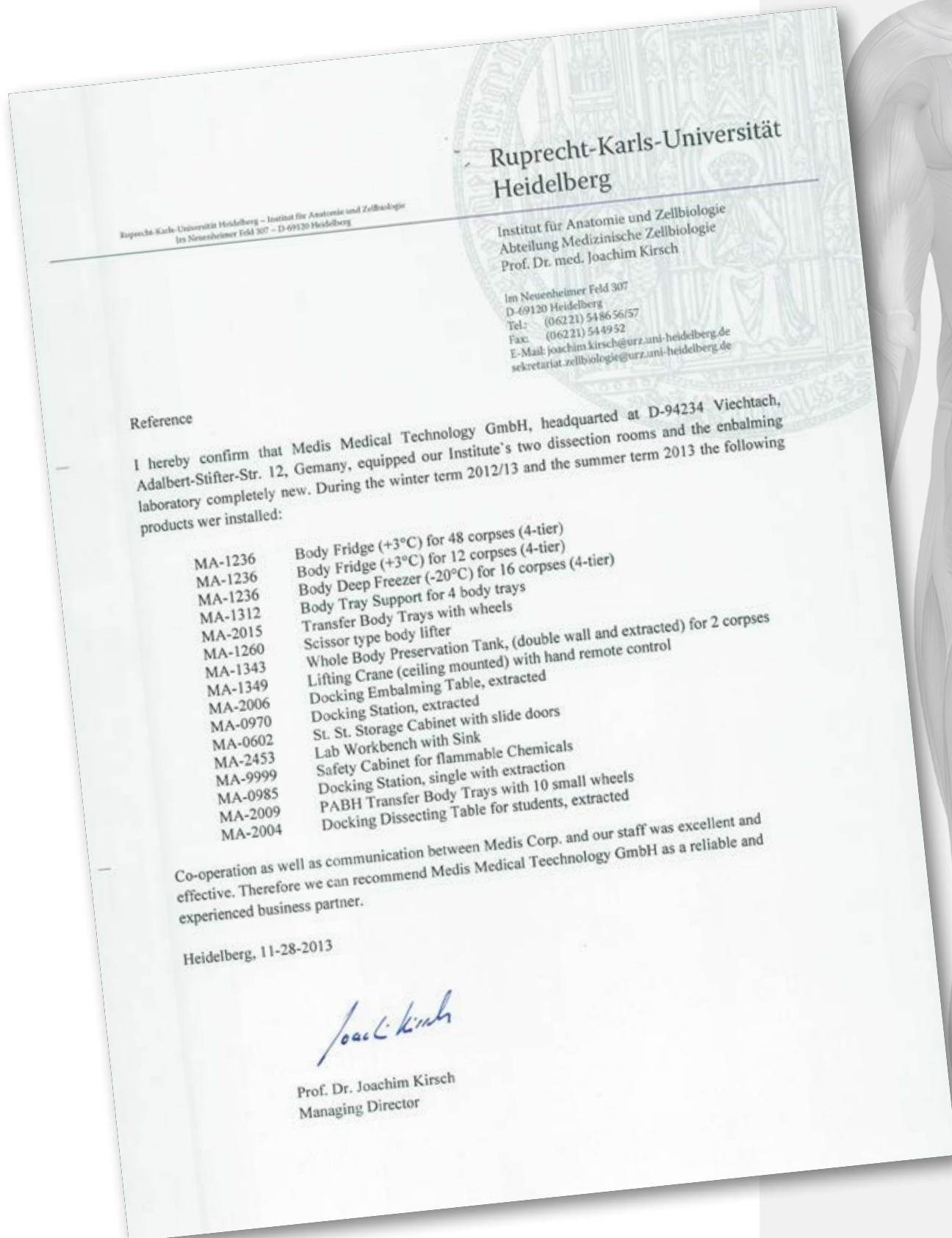
Dissecting room with laterally extracted tables and automatic body transfer. Extraction upwards through the ceiling.

The formaldehyde TLV-values are being undershooting!

Fresh air supply units (Laminar Flow) via ceiling installed fresh air supply unit with daylight illumination.

Reference

Anatomy Dpt. University of Heidelberg






Anatomy Projects



Courtesy of the University of Trondheim / Norway, Institute of Anatomy



Furnishing of a new institute

Dissecting room with laterally extraxted twin-tables and automatic body transfer. Exhaust air is being directed through the floor.

Anatomy Projects



University of Aarhus / Denmark, institute of anatomy, dissecting room

Furnishing of a new institute

Dissecting room with laterally extracted twin-dissecting- tables and automatic body transfer. Exhaust air is directed via the docking station downwards through the floor.


Fresh air supply unit (Laminar Flow) via ceiling mounted fresh air supply unit with daylight illumination.



Anatomy Projects



OMAN MEDICAL COLLEGE



Furnishing of a new institute

Complete furnishing of an Institute of Anatomy

In the year 2014 by MEDIS Medical Technology.

Anatomy Projects



Oman Medical College, dissecting room, Sohar Campus, Sultanate of Oman

Anatomy dissection class with extracted dissection tables, fresh air supply units und automatic body loading & unloading system. Formaldehyde-free working environment.

Anatomy Projects



Furnishing of a new institute
Cold- and freeze-rooms for 44
corpses (+3°C) and 24 corpses (-15°C)
exclusively by MEDIS / Viessmann.
The patented and antimicrobial
TECTO-system has round edges and
is seamless overlapped (no silicone
joints)!



2-tier cold room (+3°C) with small doors and
automatic loading & unloading

Anatomy New Products



"SprayCon" closed whole body fixation- and preservation unit.
No fumes are being released into the working environment.
Applicable for alle preservation solutions.
Economic alternative to preservation tanks.

Anatomy New Products



"DryCon" high pressure whole body preservation unit. Developed for fast and non-hazardous infiltration with organic "Shellac" medium. Closed system. Storing of plastinated corpses is realized by room temperature on regular shelves.

Anatomy New Products



Hydraulic tank (cuvette) completely closed

Cuvette for 6 corpses in special version for lateral loading & unloading

Hydraulically or electrically operating preservation tank (cuvette) for 2, 3, 4 or 6 corpses. (2 or 3-tier).

Available with or without extraction

Anatomy New Products



Extracted, hydraulically operating cuvette in standard design for front loading & unloading.
Especially beneficial when utilizing alcoholic preservation solutions (no EX-protection)

Whole body cuvette with integrated extraction.

Hydraulic lifting- / descending-function.

Versions for 2, 3, 4 or 6 corpses (2 or 3-tier)

Anatomy New Products



Students dissection table, stationary.
With electronic height adjustment, extracted armrest
and automatic body transfer (PABH-system).

Anatomy New Products



The docking mechanism



MEDIS unique sidewall exhaust-system

Dissection table-system for students with unique lateral extraction-system. Mobile, for automatic body transfer. Extraction via stationary docking station by in-house exhaust air system downwards, upwards, or laterally

Anatomy New Products

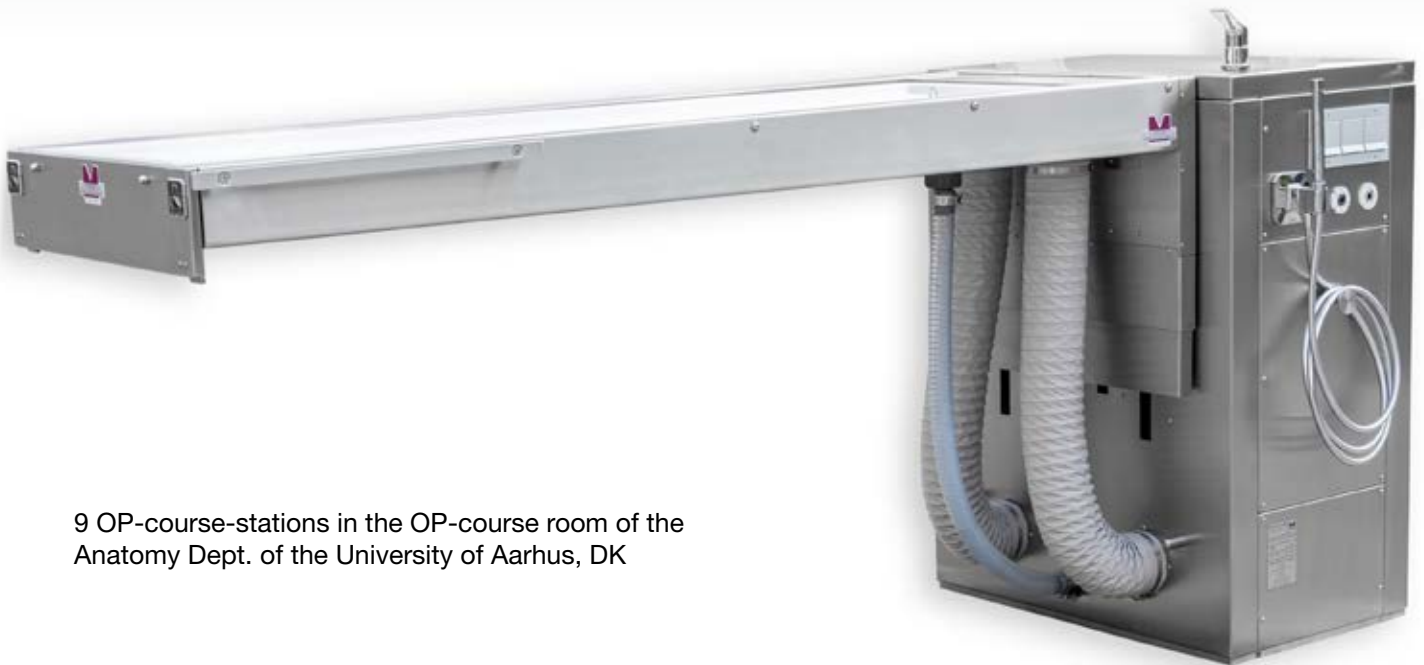


Perfusion table for transfer-tray with air-supply-unit. Additionally equipped with spot-extractin-system

Perfusion table (extracted + height adjustable) for internal fixation. With “PerfuTek” pump-perfusion-system. Sprinkler-wash-system beneath the working top

Anatomy New Products

World novelty!



9 OP-course-stations in the OP-course room of the Anatomy Dept. of the University of Aarhus, DK

Operation-course-station for surgical-trainings at fresh or fixed whole body specimens (C-bow X-ray applicable).

- Height-adjustable for sitting- and standing-position
- Hidden lateral extraction (compliance of the TLV-values)
- Automatic body transfer system
- Applicable for all operation procedures
- Pressure- and vacuum-connections for OP power tools
- Odorfree working due to bilateral side extraction
- Plastic body tray for optimal X-ray results
- Excellent stability
- Options: armrests, organ tables and several accessories

Anatomy New Products

World novelty!



Drain with residual sieve



Design 2016 by MEDIS MT



Control unit



Shower tap (3m)



Lateral support for accessories



Fixable flap



Anatomy

New Products

World novelty!



OP-course-station in the lowest position
for sitting work (e. g. Gynecology)



OP-Course-Station for surgical-training in anatomy

Anatomy New Products



9 OP-Course-Stations in the Institute of Anatomy of the University of Aarhus, Denmark.
Developed, manufactured and installed by MEDIS

Permanently installed OP-Course-Stations in the OP-course room incl. ceiling mounted air-supply-units. Hidden sidewall extraction-system through the floor. X-ray C-bow applicable. Transfer body tray made of plastic (POM).



Pathology

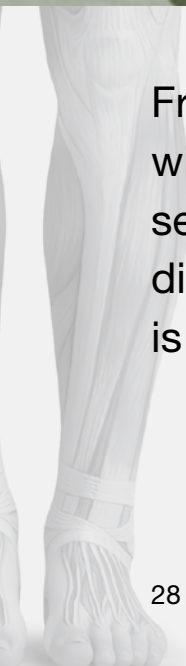
New Products



Fresh air-supply units (Laminar Flow) with integrated daylight for all dissection- and autopsy tables. Variable distance to the table. Air-flow-direction is adjustable.



Two air-supply-units with daylight-illumination for 2 working places

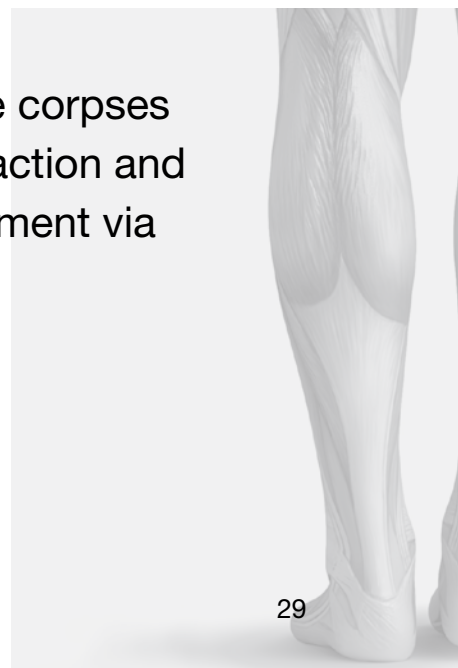


Pathology New Products



Organ demonstration- / instrument-table for all autopsy tables

Autopsy table for obese corpses up to 350 kg. With extraction and electronic height adjustment via foot pedal (optional)



Pathology

New Products



MacroDoc station with superstructure (optional), illumination, 2 spots



MacroDoc station with computer



Integrated drawers

“MacroDoc” tissue-grossing station.
With extraction, electronic height
adjustment (for 2 persons sitting
vis-à-vis). Options: Monitor, Computer,
Camera and software for telepathology.

Pathology New Products



PABH autopsy table with inserted trays

PABH-system autopsy table with automatic body transfer, electronic height adjustment, organ dissection table and universal transporter. Extraction through the floor.



Pathology

New Products



Universal autopsy table with worktop for pathology

Universal autopsy table system with exchangeable work surface for anatomy, pathology and embalming.

Automatic loading & unloading, electronic height adjustment and organ dissecting table. Extraction through the floor.



Optional: Extracted autopsy table with special washdown system

Pathology New Products



Formalin dispenser at the tissue grossing station

800 liter safety tanks for fresh and waste formalin

Central fresh formalin supply/ waste formalin system.
Serves all tissue grossing stations in grossing areas of pathology institutes.



Pathology

New Products



Fresh air supply units (Laminar Flow) with integrated daylight illumination for all dissection- and autopsy tables. Variable distance to the table. Air stream direction is adjustable.

Pathology New Products



Oscillating saw with vacuum system



Oscillating saw without vacuum system

Oscillating autopsy saw with or without vacuum unit.
The handpiece is waterproof (IP67) and allows
sterilization during the operation in disinfection liquids.

Pathology

New Products



Autopsy standard instrument-kit (28 items).

Pathology New Products



above: Histology paraffinblock filing cabinets
below: Microslide filing cabinet

Central storage system for paraffin blocks and slides

“HistoFile” metal filing cabinets for paraffin blocks and covered microslides for histology, cytology & hematology. In accordance with fire-protection regulations. New: Electronic lock mechanism without key!

Veterinary Pathology New Products



Large animal dissection- operation table with electronic height adjustment. Maximum load 2500 kg or on request!



Mobile dissecting & waste transport table,



tiltable

Veterinary Pathology New Products



Vice for animal head



Preservation tank with 3 inserts

Animal preservation cuvettes. Veterinary Anatomy of the University of Giessen

Preservation tanks (cuvettes)
for different animal cadavers.
With or without sorting insert.

Veterinary Pathology New Products



Nekropsy table for medium size animals

Animal necropsy table with pedestal, extraction and electronic height adjustment. With or without sink.



Fresh air supply unit with daylight illumination for all necropsy tables.
Optional: illumination only

Veterinary Pathology New Products



Vice for animal head OP

Animal necropsy table for rodents for 2 people (vis-à-vis). With fume extraction, height adjustment, fresh air supply unit and crane for the animal positioning.



Forensic

New Products



Postmortem- / autopsy-table-system (2 parts) with unique lateral subsurface extraction. Completely flat table surface with drain into the basin. Autopsy- and organ dissecting area are separated.

Forensic New Products



Postmortem- / Autopsy table system with electronic height adjustment, lateral extraction of malodorous fumes and automatic body transfer. No manual loading / unloading (one-man-operation).

Museums for Natural History & Veterinary Anatomy

New Products



Bone maceration unit with 2 individual programmable process chambers. Veterinary Anatomy of the University of Vienna.

Bone maceration unit for enzymatic or putrefaction maceration (odorfree, closed system).



Integrated digital online pH-value control system

Museums for Natural History & Veterinary Anatomy

New Products



Degreased head of a constrictor snake

Bone degreasing process chamber with 100cm diameter. Lid opens and closes automatically.

Bone degreasing unit for the long-term preservation of ancient bone specimens and teaching purposes.

Plastination

New Products



Touchscreen control



Casters

PEG* Infiltrator for the infiltration of organs and specimens. With inspection glass and alternating vacuum.

*Polyethylene glycol

Clinic for Severe Burn Injuries

New Products



Initial treatment department of the Clinic for Severe Burn Injuries in Lübeck, Germany

- Height adjustable station for the initial treatment
- Careful process based on body wetting via water vapour
- Removable, perforated gel surface for optimal lying position
- Effective disposal of tissue residuals into the tub
- Control unit for disinfectant I -metering system, water supply, electricity and medical gases

Your key to success



MEDIS Medical Technology GmbH
D-94234 Viechtach / Germany

e-mail: info@medisgmbh.com
internet: www.medisgmbh.com

Manufacturer Certification I. D.:
Germany HWK 21659