

Educational Systems



Ermetal

Tecrübe, çizgiden
başlar.



**Professional Solutions
made for Professionals.**

“

If you need something reliable...

”

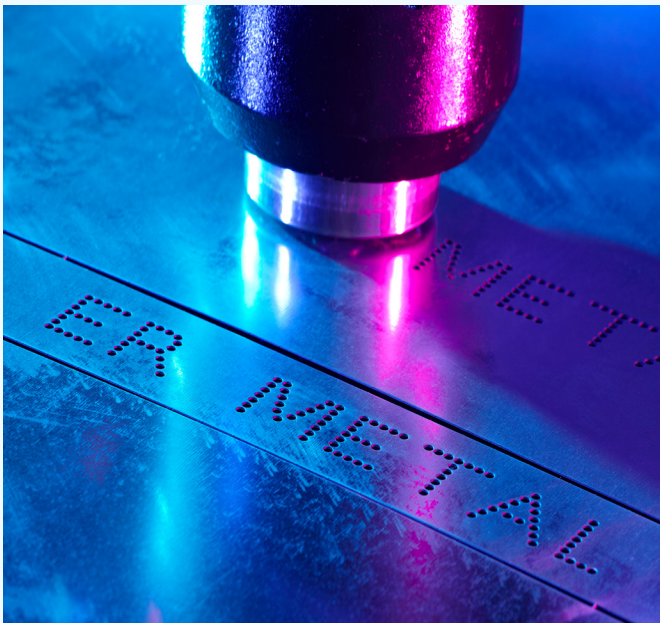
,if you need something reliable...

Just Make It

For whom does it work? Of course you can use it, but can anyone else? In short, is it functional? This is the main question we are asking ourselves at ERMETAL!

At the heart of every piece of practical design, whether it be a website, product package, office building, manufacturing system, piece of furniture, software interface, book cover, tool, or anything else, there is a function, a task the item is expected to perform. Most functions can be achieved in a variety of ways, but there are some basic elements a designer needs to take into account to create a product that best fulfills its intended function.

These are the elements of functional design, the process of responding to the needs or desires of the people who will use an item in a way that allows their needs or desires to be met.



Meet few of our references we specially choose for you to show our dear customer the variety and speciality of our educational systems.

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The team-orientation, communication and modern arrangement of educational workplaces This is why we designed the **ERS-02/K**

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An advanced and high functional education system! Meet the **ERS-03**. A complete and neat design meets functionality.

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Benching systems for preclinical practice. Introducing the **ERP-Series**.

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About Us



We are exporting our products to more than 45 countries in 5 continents.

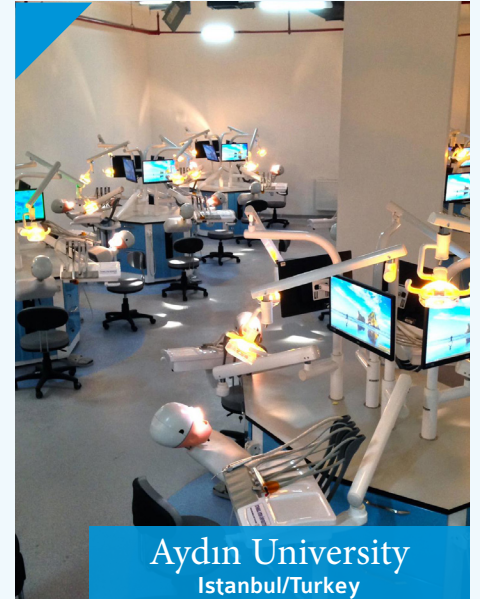


Our company was founded in 1978 by General Manager Mehmet KARA. Er Metal the leader Dental Furniture company in Turkey, always in search of new technologies and innovations for complete satisfaction of our precious customers.

Responding to all individual needs of laboratories and clinics with experienced staff, we are exporting our products to more than 45 countries in 5 continents. We provide reliability and durability with CNC manufactured products. Beside standart product range, we are offering custom design and products to our customers. We supply 3-D illustrations and architectural designs for any size or kind of projects.ver 35 years of experience, our aim is to bring innovations to the international dental field.



Design needs References



Every element of the units works in harmony to offer an upper level of comfort and accessibility you won't find in any other dental workspace today.



Welcome to your future Investment

The individually designed and stylishly furnished practice rooms different dental practices are situated in the heart of modern cities in. A modern and relaxed ambience awaits you in our references - furnished by the dental furniture manufacturer ERMETAL.

This solutions are of the highest level and continuously up to the date with the latest state of the art.

For more references please feel free to join us at our website: www.ermetaldental.com.tr

Our Works

ERMETAL uses the latest technology to design and manufacture your cabinetry. Combine this with skilled craftsmen and we provide quality precision cut cabinetry with best attributes for any task.



When designing treatment rooms or laboratories it's important to consider not only your current needs, but also any future needs. For instance, if adding CAD/CAM, cone-beam or 3D printing technology is part of your vision for the future, it's important to communicate this as part of the initial planning process. Knowing this information early in the discussion ensures the necessary considerations aren't missed. Requirements related to things such as storage, clearances, electrical lines, data lines, air lines and plumbing will all be affected at this stage. Aligning this with your future plans must be included during the dental operatory design phase to prevent excessive retro-fitting costs and down-time in the future.

Highest quality. Best built. Most durable. Most versatile. Take your pick. They're all descriptions that have become synonymous with ERMETAL in the last 38 years. But our fanatical commitment to building the best is more than just talk.

The extraordinary fit and finish of every ERMETAL product reflects that devotion to providing what customers want and need. Customers see our quality in clean, functional lines. They hear it in the sound of a drawer sliding effortlessly closed. They feel it in the solidity of a well made unit. And they experience it in the attention to the smallest of details of design assistance, installation and after-sale service.

After the equipment is put in place, the company will send service personnel to the spot upon request, to explain the features and structure of the equipment and provide field guidance for installation and debugging. Our service personnel also provide free training on such matters as maintenance and certain disfunctions.

The company has a technical service hotline to deal with any unexpected problems that might arise, at any time, which cannot be handled by the client, and will send out technical personnel if necessary.



ERS-01

Phantom Simulation Bench for Students

Ermetal LTD., introduces the ERS-01, a dental simulation bench. Its slender system is designed specifically for dental and orthodontic schools.

The bench features a pure design, modular structure, and can be used as a simulation bench, multimedia station, and workplace for students.



Size: 60x90x85,5cm (h) the ERS-01 is a basic economic model that comes with a wide range of work surface materials and accessories. The main body of this system is made of at least 1.20mm strong DKP-Steel and the corpora are made of at least 0.90mm DKP-Steel.



24mm strong, heat and impact resistant HPL-Compact work-top is manufactured especially for tough chemical lab environments.



Articulated, flexible dental type lamp (cold day light). Above the operating system, there are 3 outputs for aerators, micromotor and air-water syringe.



Screen Connectors according to VESA-Standards are suitable for all VESA approved screens. Video & Audio-output via HDMI connections. LED screens with high resolution quality (HD or UHD) are used.



ERS-01 Technical Specifications:

- 24mm strong HPL-Compact Worktop
- Dental Type Reflector (Cold Day Light)
- Articulated, flexible dental type lamp
- Monitor Connection Locations according to VESA-standarts.
- 2-Drawers, Locked Caisson Cabinet.
- Stool for Students
- Size: 60x90x85,5cm (h)
- Suitable for Kavo and Frasco Simulation systems ..

ERS-01/E Technical Specifications:



Additional Features for ERS-01/E:

- 5-Drawer Cabinet System
- Cabinet for Audio, Video and Recording System
- Stool for Trainers
- Size: 60x200x85,5cm (h)

* The system is suitable for one student.
Benches will be grouped according to the location.

- Reference:

- 1- İstanbul Okan University, Faculty of Dentistry
- 2- Van Yüzüncü Yıl University, Faculty of Dentistry
- 3- Ankara Başkent University, Faculty of Dentistry



Simulation allows students to repeat procedures till they demonstrate acceptable levels of skill, without putting actual patients at risk and yet acquiring procedural competence. Hence, most psychomotor skills are first learned in a simulated manner before the students progress to direct patient care. Ermetal is equipping with the most modern, state of the art simulator systems, so the students will be able to learn complex clinical procedures, infection control techniques, ergonomics, surgical magnification and other essential elements of operatory management.




ERS-02


Advanced Phantom Simulation Bench for Students with Storage


With the ERS-02, we offer a more advanced simulation bench. This system is designed specifically for dental and orthodontic schools with a higher demand for functionality and design.




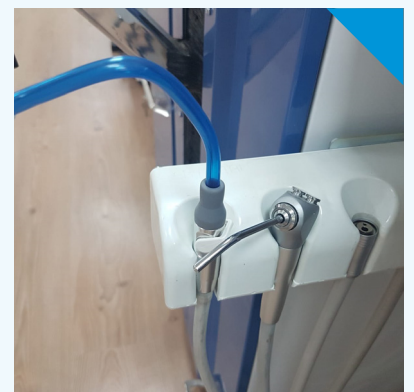
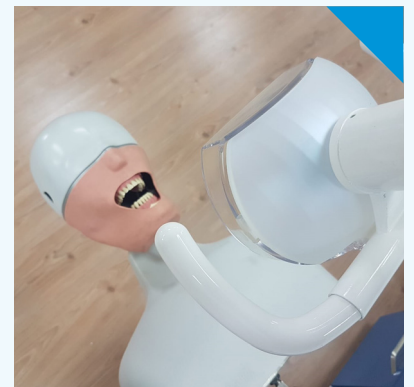
Size: 60x145x85,5cm (h) the ERS-02 is an advanced and functional model that comes with a wide range of work surface materials and accessories with an additional storage for the simulation head. The main body of this system is made of at least 1.20mm strong DKP-Steel and the corpora are made of at least 0.90mm DKP-Steel.

 24mm strong, heat and impact resistant HPL-Compact work-top is manufactured especially for tough chemical lab environments.

 Articulated, flexible dental type lamp (cold day light). Simulation head, air damper system with 30cm up and down move ability due to a pneumatic system, 45 degree angle of movement in its own axis, ability to store the simulation head after the lessons.

 Output for aerators, micromotor and air-water syringe. Storage unit for simulation head.

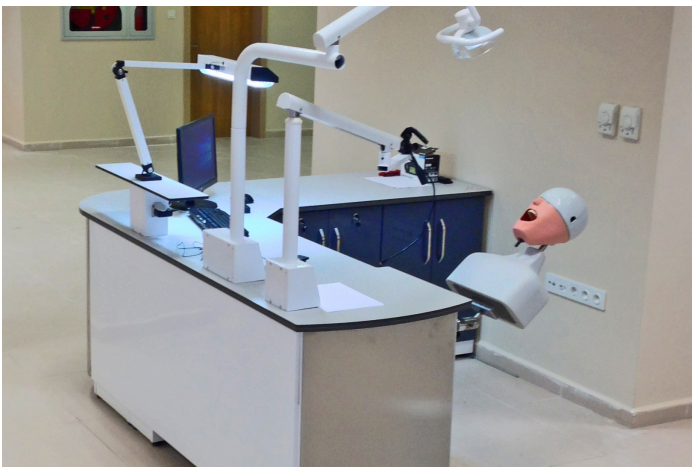
 Screen Connectors according to VESA-Standards are suitable for all VESA approved screens. Video & Audio-output via HDMI connections. LED screens with high resolution quality (HD or UHD) are used. Optional pneumatic screen lift.



ERS-02 Technical Specifications:

- 24mm strong HPL-Compact worktop
- Simulation head storage unit, Height (30cm up and down) and 45 degree angle calibration ability
- Articulated, flexible dental type lamp.
- Monitor Connection Locations according to VESA-standarts.
- 2-cover, lockable storage cabinet system.
- Output for aerators, micromotor, air-water syringe and suction tools.
- Stool for Students
- Size: 60x145x85,5cm (h)
- Suitable for Kavo and Frasco Simulation systems.

ERS-02/E Technical Specifications:



Additional Features for ERS-02/E:

- 5-Drawers Cabinet System
- Corner Module
- Cabinet for Audio, Video and Recording System
- Stool for Trainers
- Size: 60x(250x180)x85,5cm(h)

* The system is suitable for one student.
Benches will be grouped according to the location.

- Reference:

- 1- Kırıkkale University, Faculty of Dentistry
- 2- İstanbul Biruni University, Faculty of Dentistry

To create a safe, controlled and non-threatening environment for health professionals to teach, train and assess the cognitive and affective skills ensuring high quality patient care and safety using various simulation systems by Ermetal.



Here we have a multidisciplinary educational facility that provides high-tech simulated hospital set-up for clinical and communication skills teaching and training for dental health care professionals.



ERS-02/K

Phantom Simulation 4-Group Bench System for Students

The ERS-02/K, marks the state of technology. High- quality materials, careful processing and various details convince. The technical workbench is highly space saving characterized by its special design as well as by its' ability to be combined to groups in many variations. Numerous are also the accessories and colour and material combinations.



Size: 60x145x85,5cm (h) the ERS-02/K is a solution for confined areas that comes with a wide range of work surface materials and accessories with an additional storage for the simulation head and is suitable for 4 students. The main body of this system is made of at least 1.20mm strong DKP-Steel and the corpora are made of at least 0.90mm DKP-Steel.



24mm strong, heat and impact resistant HPL-Compact worktop is manufactured especially for tough chemical lab environments.



Articulated, flexible dental type lamp (cold day light). Simulation head, air damper system with 30cm up and down move ability due to a pneumatic system, 45 degree angle of movement in its own axis, ability to store the simulation head after the lessons.



2-cover, lockable storage cabinet system. Flexible, hydraulic arm for the S-table. Table contains outputs for: 1x air-water sryinge, 2x dental turbine, 1x polymerization lamp.



Screen Connectors according to VESA-Standards are suitable for all VESA approved screens. Video & Audio-output via HDMI connections. LED screens with high resolution quality (HD or UHD) are used.

ERS-02/K Technical Specifications:

- 24mm strong HPL-Compact worktop
- Simulation head storage unit, Height (30cm up and down) and 45 degree angle calibration ability
- Articulated, flexible dental type lamp
- Monitor Connection Locations according to VESA-standarts.
- 2-cover, lockable storage cabinet system.
- Flexible, hydrolic arm for the S-table.
- Table contains outputs for: 1x air-water sryinge, 2x dental turbine, 1x polymerization lamp
- Stool for Students
- Size: 60x145x85,5cm(h) working area for one student.
- Suitable for Kav0 and Frasaco Simulation systems.

ERS-02/K-E Technical Specifications:



Additional Features for ERS-02/K-E:

- 5-Drawers Cabinet System
- Corner Module
- Cabinet for Audio, Video and Recording System
- Stool for Trainers
- Size: 60x(250x180)x85,5cm(h)

* The system is suitable for one student.
Benches will be grouped according to the location.

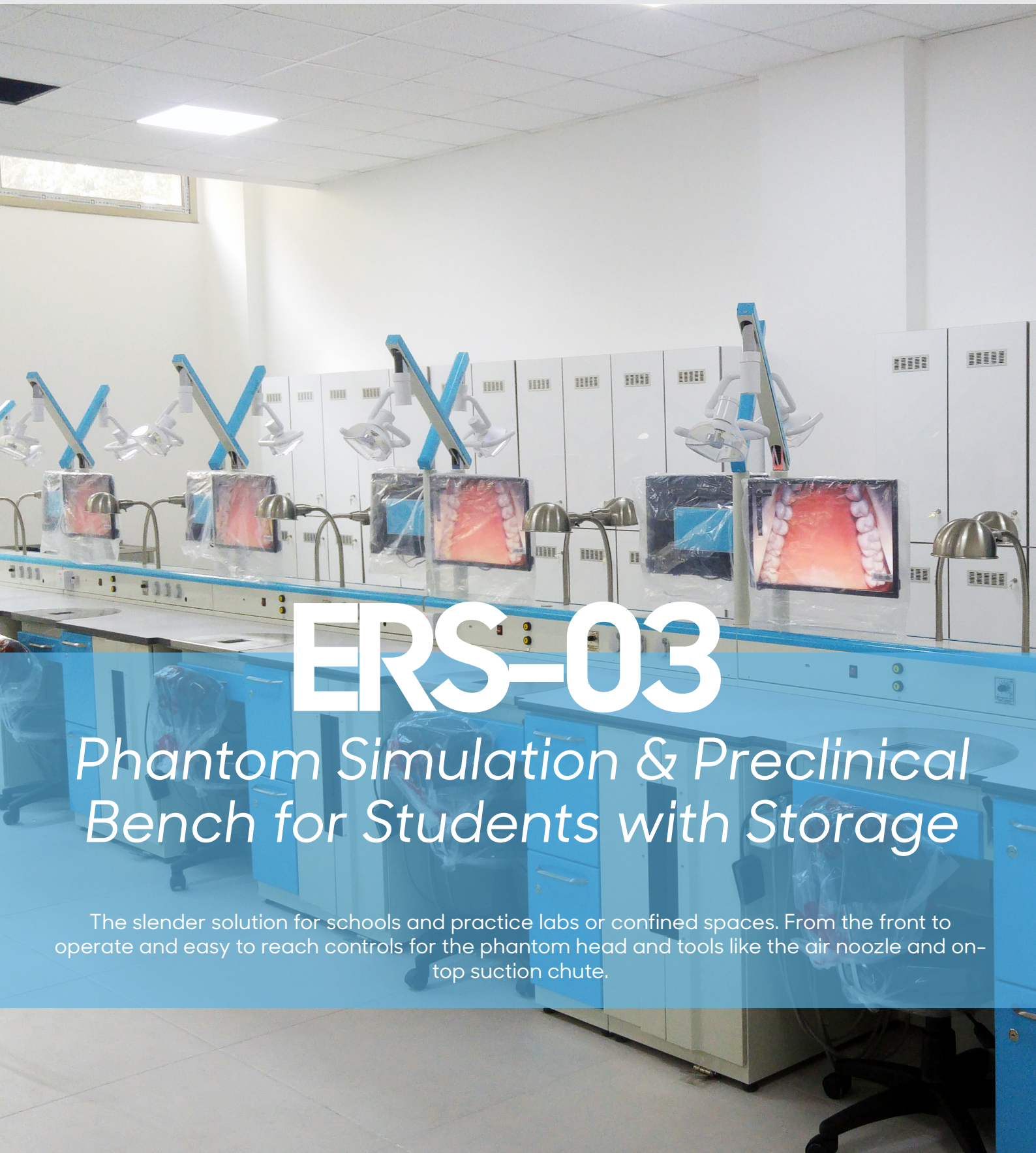
- Reference:

1- İstanbul Aydın University, Faculty of Dentistry



All healthcare professions rely not only on textbooks and lectures but also on the amount of skill and training beforehand to be better prepared for real clinical procedures. The increased emphasis on the principles of safety in dental and medical offices has augmented the use of healthcare simulations.






ERS-03


Phantom Simulation & Preclinical Bench for Students with Storage


The slender solution for schools and practice labs or confined spaces. From the front to operate and easy to reach controls for the phantom head and tools like the air nozzle and on-top suction chute.




Size: 60x145x85,5cm (h) the ERS-03 is our solution for working on more than one discipline and comes with a wide range of work surface materials and accessories with an additional storage for the simulation head. The main body of this system is made of at least 1.20mm strong DKP-Steel and the corpora are made of at least 0.90mm DKP-Steel.

 24mm strong, heat and impact resistant HPL-Compact worktop is manufactured especially for tough chemical lab environments.

 Articulated, flexible dental type lamp (cold day light). Simulation head, air damper system with 30cm up and down move ability due to a pneumatic system, 45 degree angle of movement in its own axis, ability to store the simulation head after the lessons.

 4-way tablet with outputs for air-water syringe, suction, and turbine. 2-cover, lockable storage cabinet system. 8-level 800W on-desk suction system.

 Screen Connectors according to VESA-Standards are suitable for all VESA approved screens. Video & Audio-output via HDMI connections. LED screens with high resolution quality (HD or UHD) are used. Optional pneumatic screen lift.



ERS-03 Technical Specifications:

- 24mm strong HPL-Compact worktop
- Simulation head storage unit, Height (30cm up and down) and 45 degree angle calibration ability
- Articulated, flexible dental type lamp
- Monitor Connection Locations according to VESA-standarts.
- 2-cover, lockable storage cabinet system.
- Storage drawer
- 4-way tablet with outputs for air-water syringe, suction, and turbine.
- 8-level 800W on-desk suction system.
- Stool for Students
- Size: 60x145x85,5cm(h)
- Suitable for Kavco and Frasco Simulation systems.

ERS-03/E Technical Specifications:



Additional Features for ERS-03/E:

- 5-Drawers Cabinet System
- Corner Module
- Cabinet for Audio, Video and Recording System
- Stool for Trainers
- Size: 60x(250x180)x85,5cm(h)

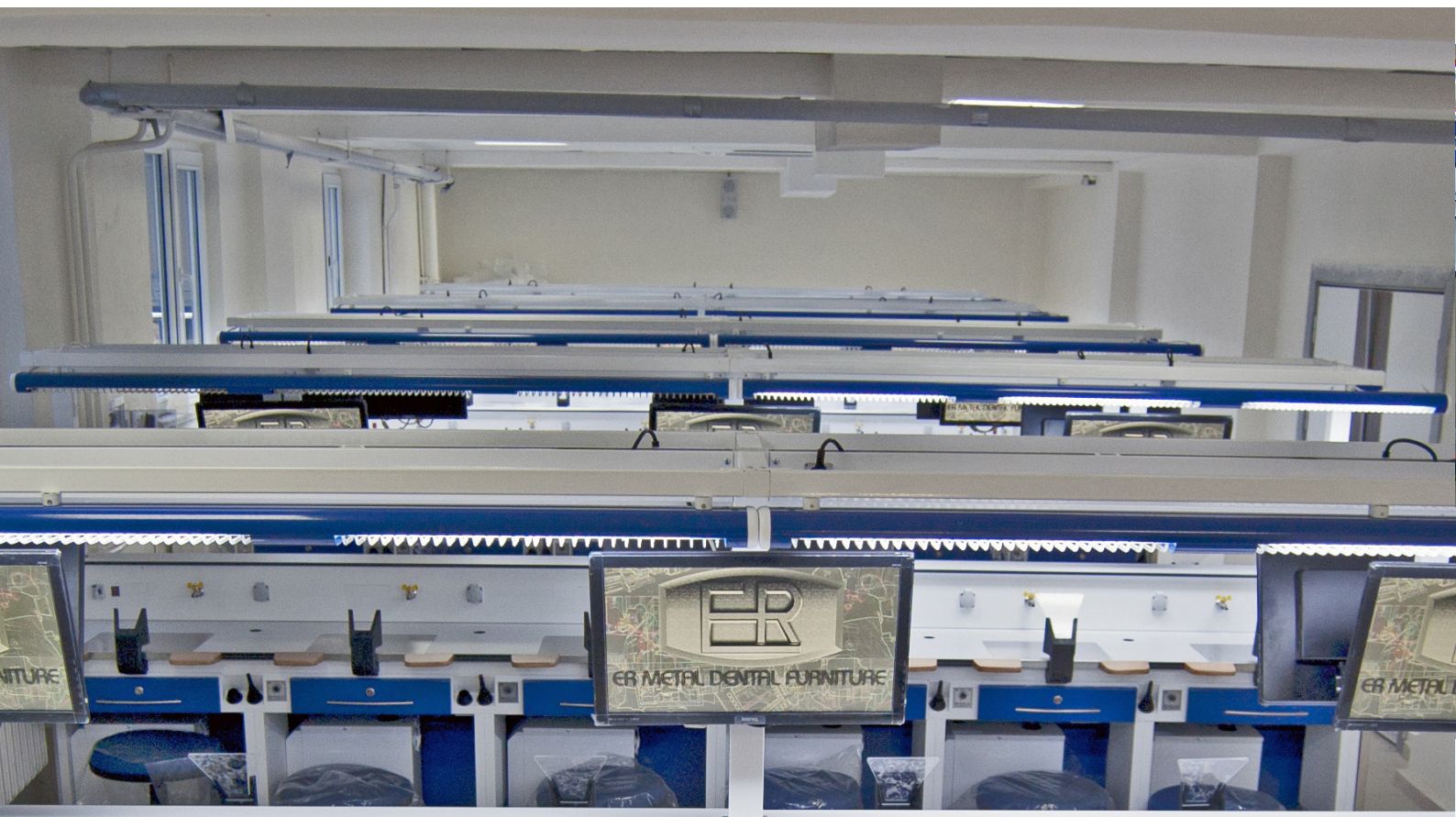
* The system is suitable for one student.
Benches will be grouped according to the location.

- Reference:

- 1- University of Thrace, Faculty of Dentistry
- 2- İstanbul Nişantaşı University, Faculty of Dentistry
- 3- Health and Social Sciences University of Cyprus, Faculty of Dentistry
- 4- University of City Island Cyprus, Faculty of Dentistry
- 5- European University of Lefke, Faculty of Dentistry



Along with traditional pre-clinical and simulation laboratories, advanced technologies like the use of life-like mannequins have been introduced to ensure that dental students do not suffer the transition from theory to practice without enough skills to accomplish their tasks. From top of the line patient simulators to the latest AV equipment the Simulation Lab is a very progressive learning environment. When creating this kind of facility, one of the challenges is to anticipate the needs of the trainees for the next decades. We believe that with our simulation systems, a Faculty is meeting this challenge and that our service has a great impact on the training of the trainees.



ERP-01 & 02


Preclinical Bench System for Students



Working and vacuuming with a perfected system. The compatible extraction system offers an economical and functional solution for different applications.


ERP-01 & 02 Preclinical Benching

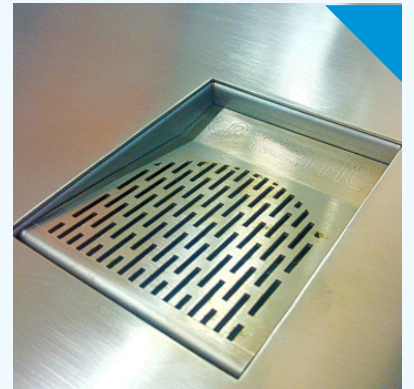


Size: 55x75x85,5cm(h) the ERP-01 is the ideal model for preclinical training and comes with a wide range of work surface materials and accessories, which guarantee efficient and ergonomic working. The main body of this system is made of at least 1.20mm strong DKP-Steel and the corpora are made of at least 0.90mm DKP-Steel.

 Özellikle zorlu kimyasal laboratuvar ortamları için üretilen 24mm kalınlığında ısıya ve darbeye dayanıklı Compact üst tezgah.


 Fluorescent fix lighting system for illumination (cold day light).
8-level 800W suction system with plastic peg.
Optional on-desk suction chute for ERP-02

 Screen Connectors according to VESA-Standards are suitable for all VESA approved screens. Video & Audio-output via HDMI connections. LED screens with high resolution quality (HD or UHD) are used.



ERP-01 & 02 Technical Specifications:

- 24mm strong HPL-Compact worktop
- Fluorescent fix lighting system
- Monitor Connection Locations according to VESA-standarts.
- On-desk connection for micromotor
- Lockable drawer cabinet
- 8-level 800W suction system with plastic peg.
- Stool for Students
- Size: 55x75x85,5cm(h)

ERP-01&02/E Technical Specifications:



Additional Features for ERP-01&02/E::

- 5-Drawers Cabinet System
- Corner Module
- Cabinet for Audio, Video and Recording System
- Stool for Trainers
- Size: 60x200x85,5cm(h)

* The system is suitable for one student.
Benches will be grouped according to the location.

- Reference:

- 1- İstanbul Okan University, Faculty of Dentistry
- 2- Van Yüzüncü Yıl University, Faculty of Dentistry
- 3- Ankara Başkent University, Faculty of Dentistry



The mix of technologies and equipment we are offering for these kind of laboratories has evolved, based on input and feedback from teaching staff, the administration and dental students themselves

Our established pre-clinical laboratories and dental simulation laboratories give University students access to the latest dental education technology and equipment. The laboratories also enable professors to apply innovative preclinical teaching methods and provide our students with a solid foundation for building their future clinical dental skills.



*picture shows the optional version with on-desk suction chute



Ermetal

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#ermetal dental

