

Furniture for people



Research. Teach. Explain. *Tec-Onomic*

Special **School & Science**

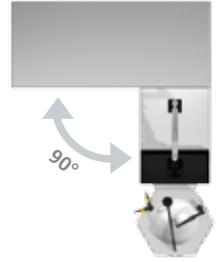


## For school and lessons

The new TEC-ONOMIC educational laboratory is the answer to current needs in physics, chemistry, biology and technical instruction. A range of topics need to be covered in the same room. Furniture and equipment are needed that can accommodate both standard instruction with natural science experiments. Until now, no single system could accomplish this. TEC-ONOMIC enables multifunctional classrooms.

The heart of the system is the swing-out lab bench at which up to six students can sit to perform experiments. If instruction is to be given with a blackboard, projector or monitor wall, the bench is merely swung back into the cabinet, and the entire room is again available. In addition, all of the connections of the lab bench are inaccessible.



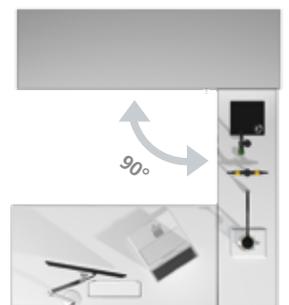


# 2.



**Hexagonal bench:**  
This bench requires less space and allows the elegant integration of a touch screen.

# 3.



**Teacher bench:**  
The teacher's own lab bench.  
With all integrated media and ergonomic height adjustment.



EMERGENCY  
First Aid  
Eye Wash  
Safety Shower



## Classic

*The rectangular bench and tables can be combined with each other easily and quickly.*



*Classroom with tables set up for conventional lectures.*



**Sink:**  
Sink made of HDPE (high density polyethylene), mounted in the HPL surface of the lab bench.



**Fittings:**  
Integrated fittings for gas and liquid media.



**Sockets and connections:**  
Connections are provided for energy and data as well as for transmitting HDMI signals.



## The rectangular bench

The classic solution for lectures: Rectangular tables can be setup in short or long rows facing the teacher. During this time, the lab bench is hidden in the cabinet. Ideally, the bench cabinets are placed against the outside walls in order to leave the middle of the room free for different forms of instruction.

When practical instruction with laboratory experiments in small groups needs to start, the swing-out lab benches connected to the mobile tables reveal themselves as quick-change artists. Experiments can be started right away with appropriate media supply and disposal.







## Creative

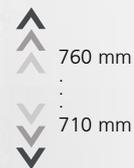
*The hexagonal versions free up more space and allow creative configurations, such as for group work.*

## The hexagonal bench

The hexagonal bench in combination with the trapezoidal tables function superbly with the integrated data systems and available media. Each lab bench possesses up to 5 HDMI inputs which the students can use to connect a notebook or tablet.

The students can press a button to switch to the other monitors or the central class monitor to share information. In addition, each bench possesses an integrated computer with a touchscreen and a flexible, pivotable camera. The students can send the live feed to individual workplaces, the teacher's bench, or to the classroom screen.

Wireless transmissions of sound and image compliant with current and future standards is also possible.



**Adaptable height:**  
Depending on the selected table heights, the lab bench also comes in different heights from 710 to 760 mm



*Classroom with the tables set up in small groups for conventional lecturing*



**Sockets and connections:**  
Connections are provided for energy and data as well as for transmitting HDMI signals.



**Sink with fittings and a WebCam:**  
The sink made of high-quality Corian® integrates fittings as well as a WebCam for transmitting the experiments. The sockets and connections are underneath.



**Touch screen and integrated computer:**  
The experiments of the students and their neighbors can be followed with the touch-screen which is adjustable with a lift arm.



**Sink with fittings and a WebCam:**  
The teacher's bench includes a sink, sockets and connections, fittings and a WebCam for transmitting experiments with the „EasySwitch“.



**Screen and lift arm:**  
The teacher can follow these students experiments transmitted by WebCam on a screen which is adjustable using a lift arm.

The teacher's bench has a cabinet like the student's bench. In addition, the teacher's height-adjustable table for standing and sitting is directly adjacent to the bench.

## The teacher bench

The teacher's bench is rectangular to best accommodate the table for sitting and standing. The height of the teacher's table can be quickly and easily adjusted from 700 to 1180 mm using a gas lift and thereby be adapted to any teaching situation. Given the connections and WebCam, the teacher can have the students participate in the experiments even during the lecture.



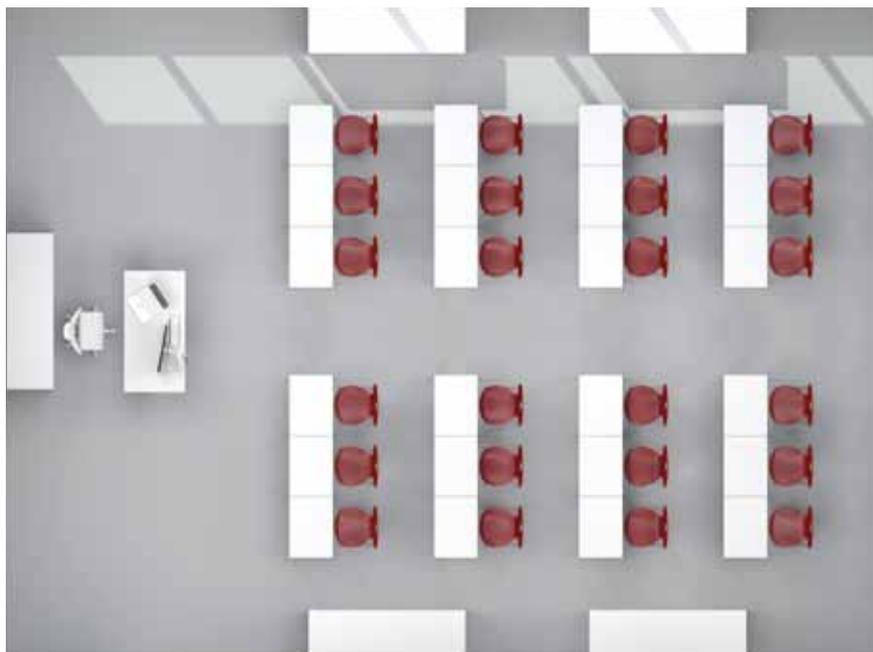


**Sockets and connections:**  
Power, data and HDMI connections:  
Everything necessary is also available at the  
teacher's bench.





**Natural science instruction:**  
*Lab bench swung out of the cabinet, and tables set up for group work.*



**Classic instruction:**  
*During the lecture, the bench remains in the cabinet, and the tables face the instructor.*



**Natural science instruction:**  
*Lab bench swung out of the cabinet, and tables set up for group work.*



**Classic instruction:**  
*During the lecture, the lab bench is kept in the cabinet, and the tables remain in small groups.*

## Flexible use of space

Together, the lab bench and cabinet form a compact unit. They always remain connected to each other even when electricity, water, wastewater, gas or other media are connected. The room can be quickly set up for a different purpose: Simply open the door, swing the lab bench out 90°, close the door and join the mobile tables, and you're ready to go.

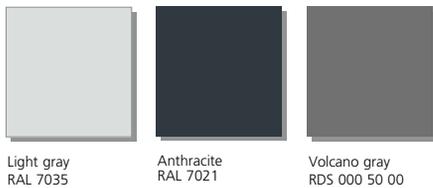
Depending on the shape of the room and the customer's wishes, a hexagonal or rectangular bench can be combined with the associated tables. The process is just as fast in reverse: Open the door, swing the bench back into the cabinet, close the door and rearrange the mobile tables. Flexible and fast like no other system.



# An ingenious combination.

A wide choice of attractive coatings and surfaces are standard at C+P. Or we can customize the colour or surface finish to your individual requirements. We're looking forward to your request!

## Color group 0 (for steel cabinets and metal components)



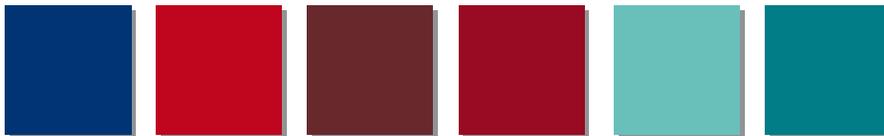
Light gray  
RAL 7035

Anthracite  
RAL 7021

Volcano gray  
RDS 000 50 00



## Color group I (for steel cabinets and metal components)



Lapis blue  
RDS 270 20 29

Fire red  
RAL 3000

Burgundy red  
RDS 010 20 25

Ruby red  
RAL 3003

Light green  
RAL 6027

Water blue  
RAL 5021

## Color group II (for steel cabinets and metal components)



Pastel yellow  
RDS 095 90 30

Sulfur yellow  
RDS 095 90 59

Sun yellow  
RDS 080 80 60

Yellow-orange  
RAL 2000

Pastel green  
RDS 110 90 20

Viridine green  
RDS 110 80 60



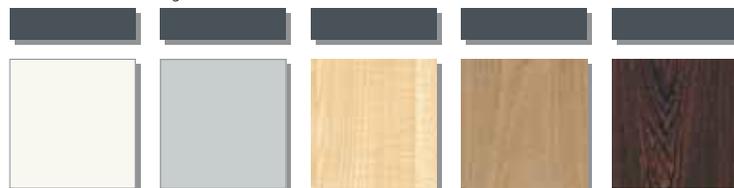
Pure white  
RAL 9010

White aluminum  
RAL 9006

Gray aluminum  
RAL 9007

## Solid-core panels (HPL)

with black solid-core edge 13 and 16 mm



White  
VK 001

Silver gray  
VK 002

Birch  
VK 007

Cherry  
VK 003

Wengé  
VK 006



Incidentally:

C+P is an expert in tasteful and efficient furnishings and fittings made of steel. We have been specializing in the field for decades. So it is no wonder that our customers have enabled C+P to become the market leader in numerous product segments.

To find out more about TEC-ONOMIC contact:

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**[www.cp-lab.ae](http://www.cp-lab.ae)**

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