

VISUALLY AND POSTURALLY ERGONOMIC VERSATILE DESK

Description

This is a desk formed by a board connected to a seat with visual and postural ergonomics that allows to modify the height, inclination and illumination of the same one, adjusting it to the necessities of the user.

How does it work

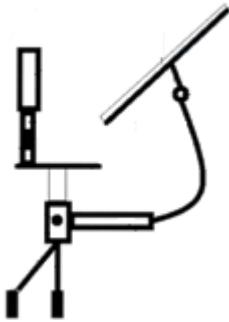


Diagram of the side view of the desk

The students stay 30 hours/week in classes with chairs of a single measure for different heights. This damages the physical and visual condition generating problems of double vision, blurring, tearing, redness of the eyes etc.

This equipment is light, versatile and with independent autonomous lighting thanks to LED lights placed every 5 cm on the margins of the board.

It is made up of a board and a seat connected by two flexible bars assembled in a head, which allow modifying the distance between the two elements for adaptation to the user's body. The lower flexible bar is connected to another fixed bar, joining chair and desk in a stable but elastic way.

Advantages

- Can be used in all types of classes to make students work more ergonomically and relaxed.
- It is made of lightweight materials so that it can be easily transported.
- Several tables can be joined together to synchronize work groups.
- The board can be folded in the middle reducing its size and this can include a digital tablet.
- The seat has two regulators: the upper one between 20 and 100 cm and the lower one between 5 and 40 cm, adapting itself to the height of any person.

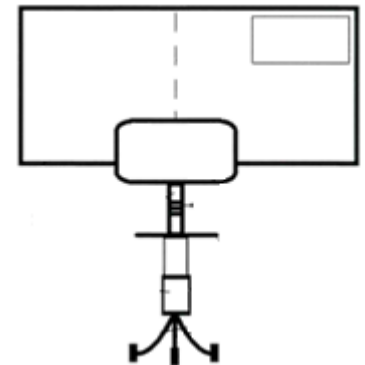


Diagram of the front view of the desk

Where has it been developed

This invention has been developed between the collaboration between the Faculty of Optics and Optometry and the Faculty of Education and [is protected by a utility model since 2017](#).

And also

We are looking for companies interested in producing and marketing this desk. The research group of Professor Ricardo Bernárdez Vilaboa holds [more than 12 patents with prior examination in the field of optics and optometry](#).

Responsible Researcher

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