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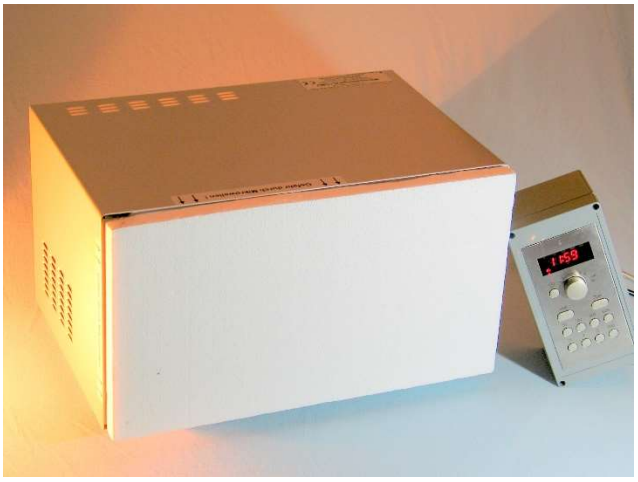
New series microwave LCMU biocide-wood pest

We at "ecomicrowaves.com" have been engaged for about twenty years ago with the development and construction of microwave ovens for pesticide-free wood pest. Owner of the company Dipl. Ing. Fritz Kohler has done with its devices for years already numerous applications for private and corporate customers and instructed pest controller for self-testing. Last year, he developed a new low-cost model, the oven LCMU which is directly applicable even in addition to good handling and high security for the pest control operator or person concerned for applications in the home and household-type frame; and at a fraction of the amount of the currently searchable on the market reputable supplier of microwave ovens for wood pest.

Mr. Kohler has made in the development of the new device all his experience just incorporated, as the trade association guidelines and standards adequately respected. The front of the device is set up for this purpose in front of the treated wooden beams o. Ä., Which should be isolated at the back and is brought to the necessary for wood pests Letaltemperatur (DIN 68800). The heat is not produced on the surface of the bar, but the bar inside, whereby any mold and other microorganisms, which mostly consist of water, can be combated. Other chemical control measures are not required. The microwave unit is connected to a five-meter cable with a remote control unit, which adjust the respective power, a maximum of 900 W and duration,

the quality label "Blue Angel" has been approved by UZ57a the Federal Environmental Agency for the device.



Find out more about microwaves

Find out more about microwaves put their energy directly into the matter, the wooden beams exclusively into heat, which is special to the heating with microwaves. Therefore, the temperature inside the timber is higher than outside, unlike conventional control methods such as hot air, where the temperature of the outside can flow only slowly over the heat conduction to the interior of the timber. Without after-effects after shutdown. It is like the light switch: When the light is off, it is now dark.

penetration depth

In theory, the penetration depth is infinite. In practice, however, absorbed about 50% of the power at each wavelength (12 cm). Therefore we recommend unilateral treatments just for wood thicknesses up to 20 cm. For larger cross-sections it makes more sense to treat of 2 pages respectively use two devices simultaneously. Furthermore, playing the (heat) lift a certain role. If you treat from below, so arrange the device under a beam, you use the buoyancy and are more efficient than if you treat from top to bottom, that is against the buoyancy. In addition, the internal ĩW components are thermally more loaded and thus reduces the lifespan. More details about the device and the application step by step, see our demo presentation and in the operating instructions.