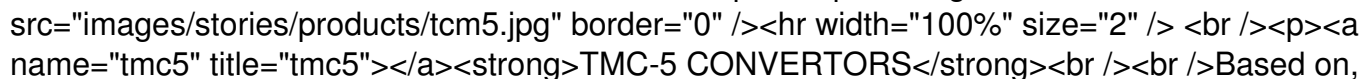


# TMC AUTOMATIC ETHYLENE CONVERTING MACHINES

Escrito por The Magic Cube

Jueves 20 de Mayo de 2010 14:12 - Ultima actualización Viernes 21 de Mayo de 2010 14:34

TMC produces and distributes Automatic Ethylene converting machines in its state of art factory in Vietnam. These machines can ideally be used for removing Ethylene from storage rooms. For this we have [Catalytic Converters](#) and [TMC-5 Converters](#):  
**CATALIC CONVERTERS** TMC catalytic converters eliminate ethylene gas and aromatics reducing the ripening process of horticultural products stored into cold rooms, whether conventional or in controlled atmosphere. Thanks to the most fine technology applied, TMC represents a sector revolution.  
**SIMPLE USE** The machine can be located inside or outside the room, and operate continuously without particular checks or controls. The electronic PLC board provides any operation details.  
**ECONOMIC SYSTEM** The high efficiency and the absence of maintenance, permit to amortize the converter cost in shorter time compared to other similar systems. The purpose of TMC catalytic converters is to delete ethylene gas (C<sub>2</sub>H<sub>4</sub>) and other aromatics commonly present in cold rooms and produced through fruit and vegetable respiration. The operation principle of TMC catalytic converters is based on the capacity to break down ethylene molecules in carbon dioxide and water, using a particular catalyst.  
$$C_2H_4 + 3O_2 \xrightarrow{260^\circ C} 2CO_2 + 2H_2O$$
**CATALYST**  
**TECHNICAL DATA**  
Model  
Dimensions  
Power  
Air circulation  
Wheight  
mm  
KW  
m<sup>3</sup>/h  
Kg  
TMC  
150 1100x1100x1950  
2,5 150 850  
TMC  
300 1100x1470x1950  
3,4 300 1200  
TMC  
500 1100x1690x1950  
4,4 500 1650



Based on, our TMC-5 medium, this scrubber curbs the ripening process of the products stored in conventional, as well as in C.A. cold rooms.  
**SIMPLICITY OF USE** Just load the drawers with the TMC-5 product, turn on the scrubber and the room air is going to be instantly depurated. The exhausted product changes its colour and its effectiveness is therefore easily checked.  
**ECONOMY OF THE SYSTEM** The system has low energy consumption and reduced maintenance. Loaded with the TMC-5 product the scrubber recycles the room air by means of high performance centrifugal fans and forces it through the

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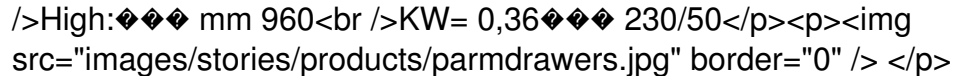
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reactant product which depurates it from aromatics, and particularly from ethylene, the greatest responsible for the ripening process acceleration.

**TECHNICAL DATA**  
Length: mm 840  
Depth: mm 370  
High: mm 960  
KW= 0,36 230/50

A technical drawing of a machine, likely a deodorizer, showing its dimensions and power specifications. The drawing is not visible in the provided image.