

# **ML 501 XPR**



**MACHINE FOR THE WHOLE TESTING ON BICYCLE WHEEL ON THE  
BASIS OF THE FOLLOWING EUROPEAN STANDARDS  
EN 14764 - CITY AND TREKKING BICYCLES**



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The machine is composed by the following groups:  
FE Electrowelded base  
Personal Computer with possibility to memorize all the data  
Adjustable speed  
Automatic control with electronic sensor stop the test  
Set up Time : 5 min.  
Range : 12"-28"

**technical features :**

Dimension : 1500 mm - 1150mm - 2000 mm Height  
Weight : 450 kg  
Voltage : 380 V  
Installed Power : 1,0 KW  
Sound level : 75 dB  
CE standards protections

**Test method require to new European standard 14764:**

*Assemble the wheel, tyre and inner tube (when fitted) and inflate the tyre to 80% of the maximum pressure, which is moulded on the side wall of the tyre.*

*Mount the wheel/tyre assembly free to rotate on its axle, and free to move in vertical direction. Load the wheel assembly by means of dead weights against a drum equipped with equally spaced, transverse, metallic slats such that the radial force applied to the wheel/tyre assembly is 640 N. The wheel and drum axes shall be vertically aligned.*

*Rotate the drum to give a linear surface speed of 25 km/h ( $\pm 10\%$ ) for a period to provide 750.000 impacts between the tyre and the slats.*

