

Product Presentation



Application

This machine is mainly used to test the motor brake performance of electric ride-on toys .

Principle: Load the toy a suitable static strength load. Measuring the force required to pull the toy on a horizontal plane covered with a surface of abrasive paper (aluminium oxide P60) at a constant speed of $(2 \pm 0,2)$ m/s. The motor shall be considered to supply sufficient braking if:

$$FT1 \geq (M + 25) \times 1.7 \quad \text{or} \quad FT2 \geq (M + 50) \times 1.7$$

where

FT1 is the maximum pull force in Newtons for a toy intended for children under 36 months;

FT2 is the maximum pull force in Newtons for a toy intended for children of 36 months and over;

M is the mass of the toy in kilograms.

Standards

EN71-1 section 8.26.1.3

Specification

Model	GT-M31
Control system	PLC touch screen control
Load sensor	200kg
Conveyor belt Speed	2 ± 0.2 m/s
Horizontal plane	Covered with Aluminium oxide P60
Dimensions	5500 x 1480 x 1750mm
Weight	900kg

Accessories

Optional accessories	Optional	GT-MA18 Static strength test load
	Optional	GT-MA22 Load gantry crane