

Tumbler Test



General Features

The Pasco Tumbler Test apparatus performs the iron pellet corrosion test fully automatically. Due to the use of an electro-mechanical system, this device can perform the corrosion test at a specified speed and rotation. The mentioned speed and rotation are also considered according to the given standards of the device. This device is made in two different sizes by the two standards of ISO 3271 and ASTM 279. Unlike its counterparts, emptying this device is done automatically and there is no need for human intervention, and thus the amount of waste with the device is nearly zero. Due to the installation of three microswitches and a fence around the device, the machine has a high degree of safety and operation involves no risk. The control part of the device is very user-friendly and different work shifts can be separated so after each test, the test results, shift, date, and time of the test can be accessed via a laser printer. The wheels installed under the device make it easy to move and prevents damages to the device while moving.

Features and operating conditions	
Engine power	2.2 (KW)
Approximate weight of the device	350 (kg)
Rotational speed	24 or 25 (rpm)
Dimensions of the device (w × d × h)	1772×1375×1277
Test duration	480 (s)

ISO 3271 and ASTM 279 standards			
	unite	ASTM 279	ISO 3271
Drum Diameter	mm	914	1000
Drum Width	mm	457	500
Sheet thickness	mm	6.3	≥ 5
Rotation speed	RPM	24 ± 1	25 ± 1
Number of turns	-	200	200
Pellet weight	Kg	15 ± 0.15	11.3 ± 0.23

Advantages of Pasco Tumbler Machine:

- Emptying the device automatically without the need for the operator intervention
- Existence of a cage around the whole device and keeping the control unit away from the device itself and thus creating excellent safety
- Using micro switches and clamps to better secure the device
- Quick and easy movement of the device owing to the wheels
- Optimizing the size of the device, which saves the space required.
- Easy to operate and user friendly
- The possibility to separate shifts in the device control unit
- Use of a separate vibration motor to improve dumping and zero waste