GOLD WIND ENGINEERING (S) PTE LTD

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EMAIL: SUPPORT@GW-ENGINEERING.COM

Title: **MOBILE COMPACTOR SYSTEM**

Project Design Team : **EDWARD ONG / TONG BOON YIK**

Date: **29/03/2018**

ENGINEERING OF STORAGE SOLUTIONS

Contents

About Us

Gold Wind Engineering (S) Pte Ltd was established in 2011. We provider that delivers material handling products and services to our clients throughout Singapore. Primarily focussing on all kind of storage racking and Warehouse safety inspections, you will find that our services of your storage equipment to a standard.

We specialize in the design, fabrication, installation of storage racking systems. Our company has also started expanding with more professional installation team. This is just the beginning, we are on our way to becoming a first level professional producer of storage logistics equipment in Singapore.

Our Vision

To provide excellent customer service and become the preferred choice of the supplier

Our Mission

The enhancement of safety standards throughout the pallet racking industry. Where there are costs we will find reductions, problems, we shall seek solutions, confusion bring clarity and doubt we shall bring understanding

Why Choose Gold Wind Engineering?

We believe experience is just as important as knowledge. We possess both knowledge and practical experience to provide excellent services to our client.

- High Trained Gold Wind Installation Team
- In-house safety practise weekly.
- Designed & built experience more than 18 Years.
- Ex- Stock in Singapore & Malaysia
- Re-Design our client current racking to new warehouse
- Quickly Sales Response to client.

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ENGINEERING OF STORAGE SOLUTIONS

MOBILE COMPACTOR SYSTEM
- MECHANICAL

Eloquently Maximizing Large Workspaces

LINING PLATFORM

Design to Perfection

Thanks to our all-encompassing, extensive market research, we build the mobile compactors tailored to 21st century needs.

Our key strengths are:

i. Platform with adjustable foot caps (no drilling or pre-leveling on the floor is needed)
ii. Easy setup, assembling, leveling, and disassembly

INTRODUCTION

Our mechanical wheel type mobile compactor is designed using different gear ratio so that the cabinet can be moved by generally turning the handwheel. This design minimizes the power to move a large object. Besides, gears and roller chains have been tested for the firmness. This is the reason why we can vouch that our mobile compactor can move much smoother and quieter.

FEATURES

Safety Lock

Adjustable Foot Cap

Smooth Anti-Fit

Central Lock

IDEAL FOR:

- Office Supplies
- Medical Supplies
- Bathroom Inventory
- Sporting Goods
- Law Books
- Media
- Parts
- Tools

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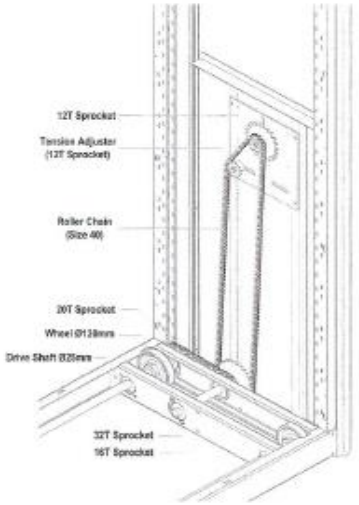
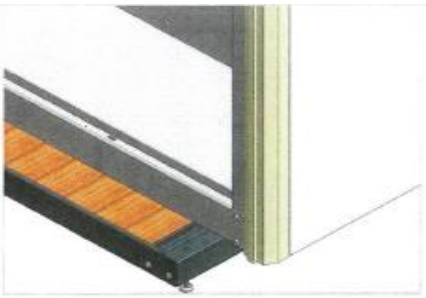
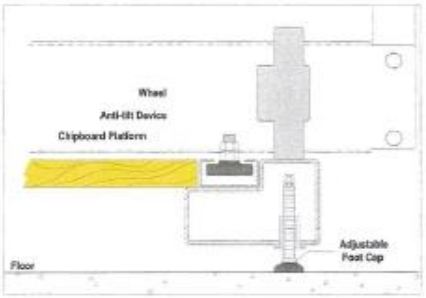
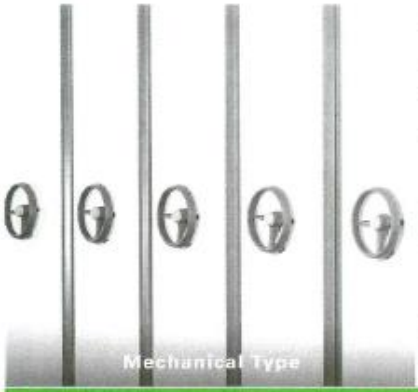
ENGINEERING OF STORAGE SOLUTIONS







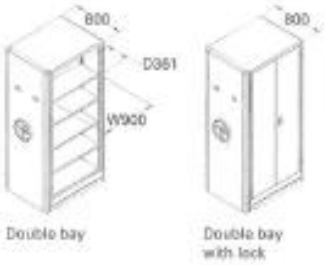


- Platform with adjustable foot caps (no drilling or pre-leveling on the floor is needed)
- Foot cap height adjusts up to 30mm
- Rails are made of 3mm cold rolled steel using laser cut process
- Pretreatment process including deionized water rinse followed by electrostatic polyester- epoxy powder coating as standard finish
- Industrial wheels - quiet & strong
- Standard in track anti-tilt mechanism
- The built-in safety locks for mechanical type cabinets are designed to safeguard users from being accidentally trapped in aisles
- Heavy duty iron die casting wheels with anti-rust zinc coating
- Close type front panel that avoids dust
- Central lock system

TYPES	SPECIFICATIONS
MATERIAL	Cold Rolled Steel
FINISH	Epoxy Powder Coating
SHELF SIZE	897(W) x 361(D) x 25(H)
NO. OF SHELF	4 pieces per bay
LOADING PER SHELF	70kg UDL
AISLE SIZE	780/ 800mm
MATERIAL THICKNESS	Back Panel : 0.7mm, Shelf : 0.7mm, Side Panel : 0.7mm, Base Frame : 2mm, Post : 1.5mm, Top Panel : 1.0mm, Front Panel : 0.8/ 1.0mm
RAIL WITH PLATFORM	Rail : 3mm Cold Rolled Steel with Laser Cut Process/ Complete with Adjustable Foot Cap, Platform : 18mm Chipboard
POST	C-Channel Post with Slots in 25mm increment
ANTI TILT MECHANISM	Nylon Guide D40mm
WHEEL	Iron Die Casting with Anti-rust Zinc Coating, Loading : 1000kg/ Wheel

TECHNICAL INFORMATIONS

STANDARD BAY TYPES

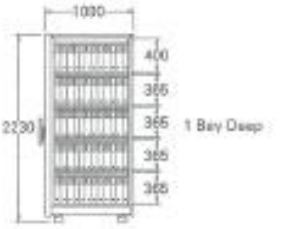


Double bay

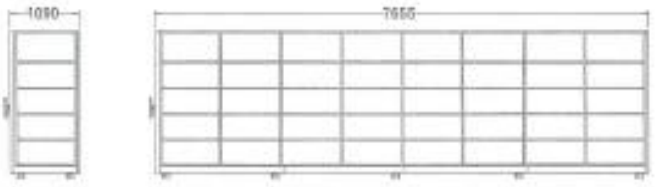
Double bay with lock

Single bay with lock

BAY LOAD

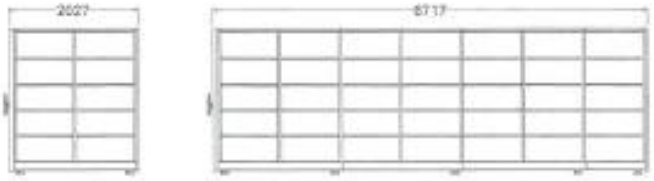


BAY DEEP CONFIGURATIONS



1 BAY DEEP

8 BAY DEEP

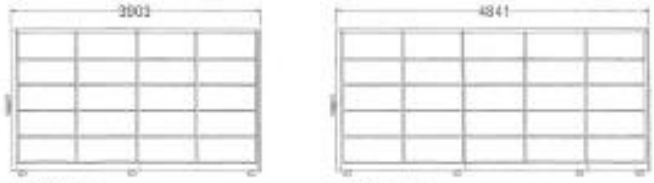


2 BAY DEEP

7 BAY DEEP

3 BAY DEEP

6 BAY DEEP



4 BAY DEEP

5 BAY DEEP

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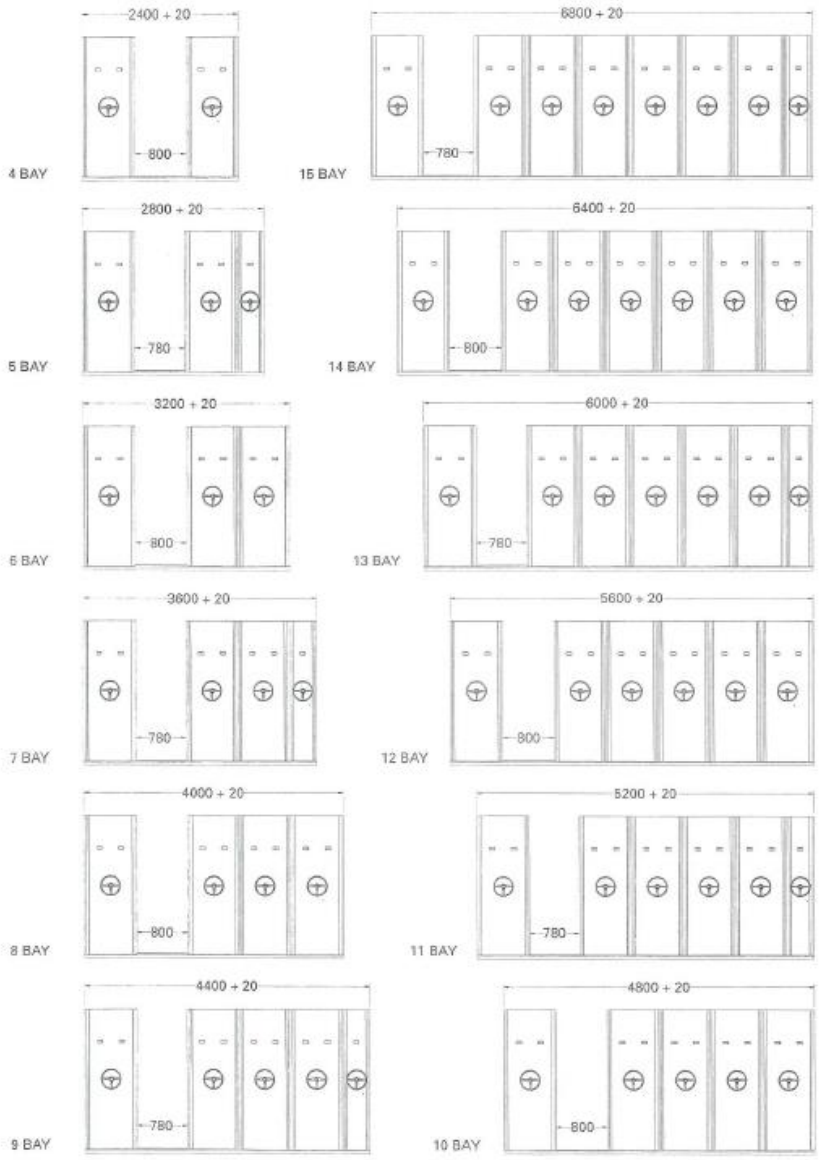
BAY CONFIGURATIONS



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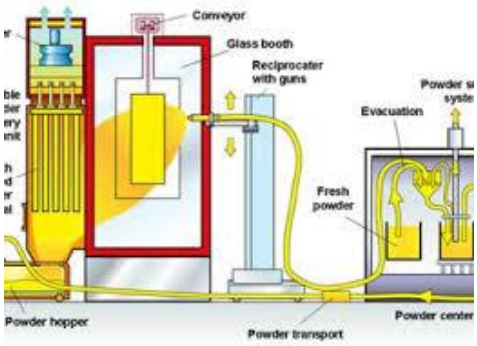

What Is Powder Coating?

Powder coating is the process of applying a dry powdered paint compound made of pigments, specialized resins and fillers that melt and fuse together during the curing process to form a painted finish. The solid powder particles are electrostatically charged when exiting the low-velocity air powered spray gun. This electrostatic charge attracts paint particles to the work surface and holds them during the high temperature curing process which can exceed 350 degrees.

Why Is It Environmentally Friendly?

Powder coating is recognized as an environmentally friendly process because it doesn't rely on solvents or chemical carriers like traditional wet-paint systems. Because powder coating relies on the electrostatic charge to hold the paint to the work piece, powder coating eliminates VOC emission problems.

How Durable Is It?

Powder coatings are very resistant to cracking and peeling and provide very high abrasion, corrosion and chemical resistance. These attributes vary according to the specific application and paint choice. Powder coatings typically meet or exceed the finish performance characteristics of conventional solvent based wet paint coatings

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TEST REPORT

JOB NO: **FRIM/FTL 105/8/10** TEST ITEM RECEIVED: **26/08/2010**	DATE OF REPORT: **04/10/2010**
COMPANY: ADDRESS: POSTCODE:	CONTACT PERSON: TEL : FAX : E-MAIL :
ITEM/PRODUCT : **MOBILE COMPACTOR MECHANICAL** MODEL : **MCM4B2C** QUANTITY : **ONE** DESCRIPTION OF ITEM: **REFER PHOTO 1 AT PAGE 5**	TYPE OF FURNITURE: 1. KNOCKED-DOWN ☐ 2. FULLY ASSEMBLED ✓ PROTOTYPE: ☐ PRODUCTION SAMPLE: ✓

TEST REQUIREMENTS:

1. **BS 4875-7: 2006**
   (Domestic and Contract Storage Furniture – Performance Requirements)
2. **BS 4875-8: 1998**
   (Methods for Determination of Stability of Non-Domestic Storage Furniture)

CONFORMANCE TO TEST REQUIREMENTS:

Sample '**MOBILE COMPACTOR MECHANICAL**' model **MCM4B2C** (refers as a **FRIM/FTL 105/8/10**) has been tested and **successfully satisfied** the requirements of BS 4875-7: 2006: Domestic and Contract Storage Furniture – Performance Requirements for test level 3 and BS 4875-8: 1998: Methods for Determination of Stability of Non-Domestic Storage Furniture.

APPROVED SIGNATORY:

(MOHD ARSHAD SARU)
Technical Manager

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TEL: 03-62797381/83/85/86 FAX: 03-62804815
EMAIL: frim@frim.gov.my

DATE OF TEST	START	: 02/09/2010
	END	: 25/09/2010
AVERAGE MOISTURE CONTENT	BEFORE TEST	: Not available
	AFTER TEST	: Not available
AVERAGE TEMPERATURE DURING TESTING	: 22.0° C	
INITIAL INSPECTION	: NO DEFECT(S) FOUND	

BS 4875-7: 2006
Domestic and Contract Storage Furniture – Performance Requirements
Test level 3

CLAUSE	TEST DESCRIPTION	LOAD/FORCE/CYCLE	RESULT
6.1.3	Deflection of Shelves	Load: 40.1 kg, 1 hour	PASS
6.1.4	Strength of Shelf Supports	Load: 20.0 kg, 10 times	PASS
6.2.1	Sustained Load Test for Bottoms	Load: 40.1 kg, 1 hour	PASS
6.2.2	Static Load Test for Bottoms	Force: 750 N , 10 times	PASS
6.4.1	Test for Structure and Underframe	Force: 300 N , 10 times	PASS

BS 4875-8: 1998
Methods for Determination of Stability of Non-Domestic Storage Furniture

CLAUSE	TEST DESCRIPTION	LOAD/FORCE/CYCLE	RESULT/OBSERVATION
7.3.5	Horizontal Stability	Force: 200 N	PASS
7.3.6	Impact Test	Height of Impact: 40mm	PASS

* *Test carried out and reported are those relevant to the article submitted for test.*

NOTE:
Tests carried out according to the requirements of current standards are intended to demonstrate the ability of the item to give satisfactory services in its intended environment. It should be understood that such tests do not ensure that structural failure will not eventually occur as a result of habitual misuse or after an excessive long period of services.

TESTED BY:

1. **ZAWAWI KASSIM (DTM1)** : .....
2. **ABDUL MUAZ SAGIMIN (TA2)** : .....

CHECKED BY:

.....
SITI ZALIHA BT. ALI
(Technical Manager II)

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Welcome to Gold Wind Engineering (S) Pte Ltd

Engineering of Storage Solutions

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Sunday & PH : OFF

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