IMPROVING YOUR EFFICIENCY IS OUR BUSINESS
Company Background

Singapore Machinery Company (SMC) was established in 1977 as a sewing machine trading company in Singapore, with the aim of bringing the finest technological tailored solutions to the needs of garment manufacturing industry.

In 2000, SmartMRT unit production system (UPS) was designed and developed. It aims to offer the highest quality and cost-effective system to meet the industry requirements, leading to increased productivity and maximization of long term profits.

Over the past four decades, SMC has grown into an internationally leading company, driven by innovation and understanding of the industry. In 2011, SMC built our manufacturing facility in Malaysia, Johor Bahru. This granted us a platform to develop and supply integrated solutions in lean manufacturing for garmenting, textile and upholstery setups around the world.

Today, SMC is headquartered in Singapore, with manufacturing facility in Malaysia, and office in China (Shanghai). SMC also works closely with partners from all over the world, to provide an extensive product offering and service for the garment and home textile industry.

Customer’s satisfaction is our top priority for SMC to all customers, from start to finish.
About SmartMRT

The SmartMRT unit production hanger system is a factory logistic system using the latest integrated engineering technology that acts as an all-efficient workflow manager by dramatically expanding your existing production capacity while cutting down throughput time and manual transportation, thus reducing your overhead costs and maximising your profits.

With SmartMRT’s highly advanced computerised system that tracks and records every stage of production in real time, your workflow is made simple, neat and effortless. The result - cheaper, better and faster production that is guaranteed to be an everlasting delight to you, your staff and your clients.
Limited Investment, Unlimited Returns

SmartMRT can transform your factory into a full-fledged, economic power house with multiple benefits. It can be used for the apparel, textile, upholstery and other relevant manufacturing industries.

Up to 95% reduction in throughput time

SmartMRT improve production of efficiency by the Elimination of in-between tasks cuts throughput time by up to 95%. Easy switching of workers between shifts since production is calculated automatically and huge reduction in excessive work.

Increase productivity by 30% and above

SmartMRT System is able to deliver a complete set of cut panels throughout the sewing line, thus saving time on repeated unproductive manual work such as delivery, handling, stacking and pulling of the bundle tickets.
Bring You to
The New Lifestyle

Sewing time increase by approx 15%~35% and beyond

SmartMRT handles multiple designs simultaneously & can meet various bulk orders easily which can increase your sewing time. Clean, neat & organised work reduces the need for cleaning & ironing.

Efficient Quality Control

SmartMRT has a production and quality monitoring system. It is able to detect defective product and send back to the originating work station automatically, thus raising the quality management capability.

Details Quality System

Records and consolidate on quality issue due to sewing defects, fabric defects, oil stain and etc.
How SmartMRT works

1. Worker loads the pieces in a hanger from the loading station
2. The hanger routes to the next station
3. Product is put together at every stage at each subsequent sewing station
4. Product gets checked at the quality & control station (in line)
5. Product continues to be pieced together at the next subsequent stations
6. Final product gets checked and approved
7. Approved product lands at the unloading station
8. Empty hanger returns to the loading station

SYSTEM INTRODUCTION

<table>
<thead>
<tr>
<th>Minimum Height (Ceiling)</th>
<th>2.5 meter</th>
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</thead>
<tbody>
<tr>
<td>Area per Station</td>
<td>3 - 7 square meter per station or more for special requirement</td>
</tr>
<tr>
<td>Length of 1 line</td>
<td>That will depend on the number of station per line and the location of columns &amp; pillars that support the ceiling</td>
</tr>
<tr>
<td>Breadth of 1 line</td>
<td>4.0 meter (Standard) 3.6 meter (Narrow)</td>
</tr>
<tr>
<td>Software</td>
<td>Installer V9.1(java 9.1 and server 9.31) Installer V12.5(java 12.5 and server 12.06)</td>
</tr>
<tr>
<td>Hardware</td>
<td>Microsoft Windows 7, Professional operating system and include Real-time Payroll program</td>
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</tbody>
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Multiple Uses of SmartMRT

SmartMRT is suitable for all sorts of fabrics including woven, swimwear, knitwear, jeans, apparel accessories, lingerie, bags, bed sheets, pillow cases, textiles, blankets, curtains, upholstery etc. The hangers are made of flexible industry-strength ABS plastic that is firm yet gentle on the fabrics.
Smart Functions & Features

Super Practical

- Various designs to fit your needs, and are suitable for lightweight to heavy fabrics
- Flexible hangers made of industry-strength ABS plastic that can withstand harsh working conditions
- Robust, lightweight, versatile and durable stainless steel structure

Data is recorded in the RFID of each hanger

System hangers catered to various different uses
Solid and Flexible Design

- The RFID is attached to each hanger that stores data swiftly into the main CPU
- Collection of real-time data via strong anti-interference RFID technology
- Sensitive safety features that can detect technical faults
- Easy-to-use LCD control panels

Excellent Performance

- Customisable to fit manufacturer’s operations, onsite layout and conditions
- Automatically records each worker’s performance and working hours
- Detects defective product and automatically returns it to the originating work station
- Keeps noise at the minimal and saves electricity

Solid and strong structure
Compact, high efficiency and low noise
Superior corrosion resistance, long life and lube free
Smart Softwares Features

The SmartMRT software records in real time, the data of each employee’s work performance including the number of pieces produced, type of design, quality of each piece, number of inputed work hours and payroll calculation. The software is easy to use and read.

- User-friendly
- Complete real-time data management
- Accurate and stable hardware control
- Handles multiple designs at the same time
- Compatible with Windows 7 & above
- Real time wage report
- Employees daily performance consolidation
- Individual hanger tracking with data history
- Production projection
- Efficiency chart
- Real-time data chart
- Employee data bank
- Pre-planning of station assigning
- Design database
- Data editor
- Payroll printout
- Variance report
- Diagnostic features
- Internet connectivity
- Colour and size charts
- Export data to excel file
100% Support & Commitment

We are committed to providing you quality training and after-sales support in order to maximise your potential for long-term success. Contact us to enjoy a free consultation*. 

Connect with us on social media:

- www.youtube.com/user/smartmrt
- i.youku.com/smartmrt
- google.com/+Smartmrt1977

Our Trusted Partners:

- MANUFACTURING SOLUTIONS
- FREE CONSULTATION
- INSTALLATION
- AFTER SALES SUPPORT
- TRAINING

*Terms and Conditions Apply