



BSE TECHNOLOGY (MALAYSIA) SDN. BHD.

BSE TECHNOLOGY (VIETNAM) CO.LTD.

Total Solution for Industrial Automation





1 **COMPANY OVERVIEW**

ABOUT THE COMPANY

BSE OVERVIEW

- Incorporated in 2004
- We do Turnkey Project, **Automation**, Clean Room, M & E Work, Water Treatment, RODI , IBMS Programming and **engineering work**.
- Providing reputable brands to Manufacturing, Building, University & etc.
- Cost effective & technically advanced solutions in the automated & process system
- Provides complete application coverage with unparalleled user flexibility
- Fast growth, committed & dedicated

ORGANIZATION STRUCTURE

2

BSE TECHNOLOGY GROUP



LIFTER & LINK
CONVEYOR



WORK CELL
(MANUAL ASSEMBLY)



LINK
CONVEYOR



AUTO
FASTENING
MACHINE



AUTO
LABELING
MACHINE



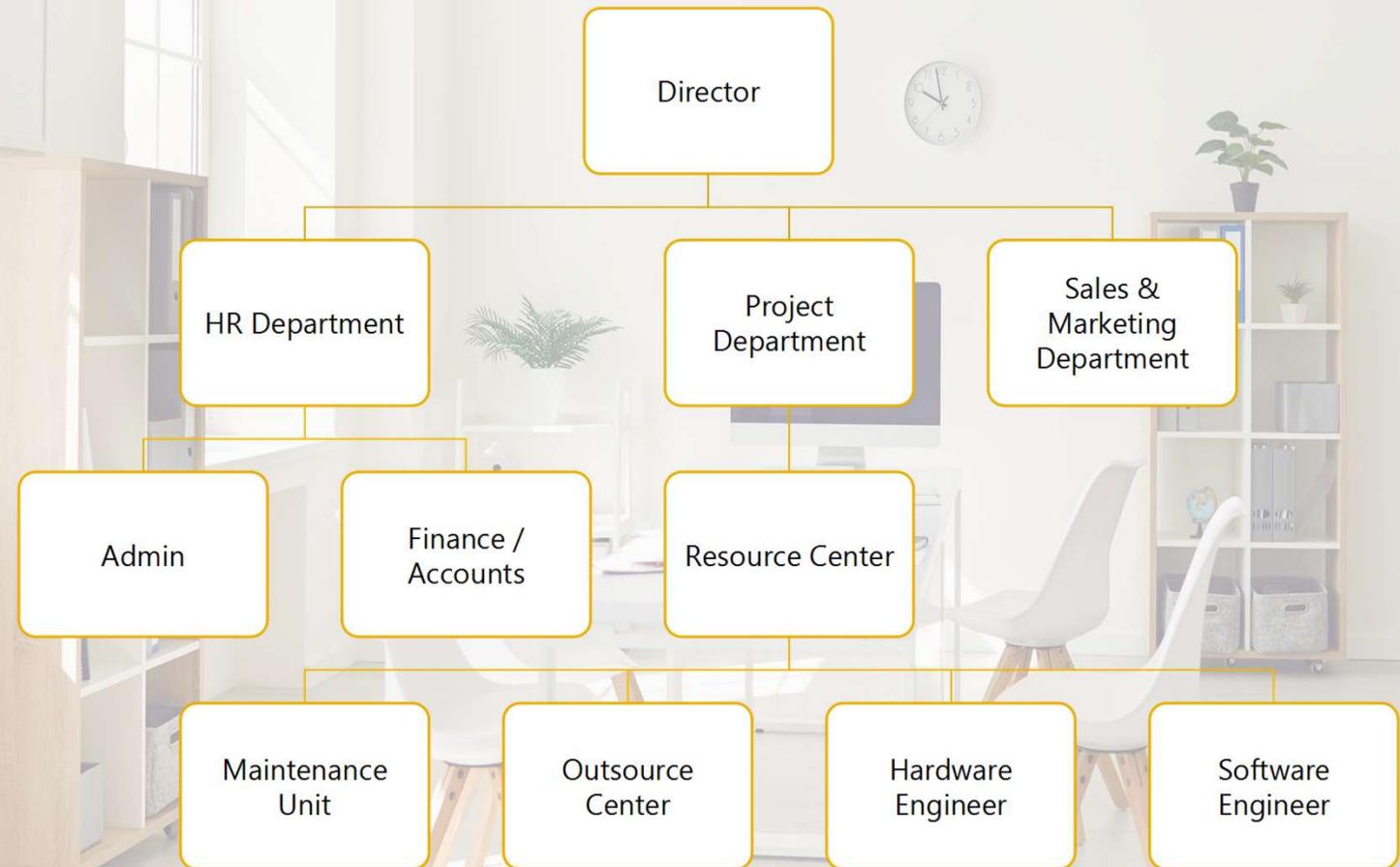
AUTO
DISPENSING
MACHINE

**BSE TECHNOLOGY
(M) SDN. BHD.
MALAYSIA**



**BSE TECHNOLOGY
(VIETNAM) CO. LTD.
VIETNAM**

www.bse-tech.com





3

OUR VALUE

We are innovative, challenging, quality, evolving and above all in long-term relationships, we believe in Trust. We believe it is essential to find that special point of difference that truly makes all the difference.

INNOVATIVE

Innovative lead us to positive change, to make someone or something better.

CHALLENGING

Because we challenge ourselves, our suppliers and clients, we are able to find the most appropriate solution.

QUALITY

Our agility ensures we deliver whatever the circumstances.

EVOLVING

Change, change and more change, we're not afraid of it. Evolution is a natural process and we embrace it.

TRUST

Trust is the foundation of all good relationships and we wish to develop long-term relationships.



REGISTRATION CERTIFICATES



SPAN
Suruhanjaya Perkhidmatan Air Negara

JADUAL KETIGA
[Untukcadah S2/2 subrule 5(2)]

AKTA INDUSTRI PERKHIDMATAN AIR 2006
WATER SERVICES INDUSTRY ACT 2006

KAEDAH-KAEDAH INDUSTRI PERKHIDMATAN AIR (PERMIT) 2007
WATER SERVICES INDUSTRY (PERMIT) RULES 2007

PERMIT IPA JENIS A/B/C/D/E*

IPA TYPE A/B/C/D/E* PERMIT

No. Permit: SPAN/EKS(PT)/800-2D/1/15/242
Name of permit holder: BSE TECHNOLOGY (M) SDN. BHD.

Alamat pemegang permit: NO. 33 & 33A, JALAN PUSAT PERNIAGAAN RAJA UDA 4, PUSAT PERNIAGAAN RAJA UDA, 12300 BUTTERWORTH, PULAU PINANG
Address of permit holder:

Tujuan permit: PERMIT IPA JENIS D BEKALAN AIR
Purpose of permit:

Negeri atau negeri-negeri di mana kerja-kerja boleh diusahakan:
State or states in which the works may be carried out:

PULAU PINANG

Permit sah dari: 23 JANUARI 2022
Permit is valid from:

sehingga to: 22 JANUARI 2023

Permit tertakluk kepada termas dan syarat yang dilampirkan.
Permit subject to terms and conditions as attached.

Fee Permit: RM 900.00
Permit fee:




Suruhanjaya Perkhidmatan Air Negara
Resit No.: P0035715
Tarikh pengeluaran/pembaharuan: 14 JANUARI 2022
Date of issue/renewal

CIDB
MALAYSIA

CIDB
PERAKUAN PENDAFTARAN

Adalah dengan ini diperlakukan bahawa kontraktor yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan bersama persekutuan ini.

No. Pendaftaran : 0120150519-PP163488
Nama Kontraktor : BSE TECHNOLOGY (M) SDN. BHD.
Alamat Berdaftar : 105-07-08 JALAN GURDWARA HEXAGON TECH PARK
10300 GEORGETOWN
PULAU PINANG

Daerah : TIMOR LAUT
Tarikh Mula Berdaftar : 19/05/2015

SEJEN	KATEGORI	PENGKHLUSAN
06	B	B04 B27
06	CE	CE21 CE39
06	ME	M04 M16

Tarikh Mula Berkuatkuasa : 13/01/2022
Tarikh Habis Tempoh Persekitaran : 22/03/2023
STATUS: AKTIF




Ketua Eksekutif
Lembaga Pembangunan Industri Pembinaan Malaysia
Tarikh: 13/01/2022

KEMENTERIAN KEWANGAN MALAYSIA
SIJIL AKUAN PENDAFTARAN SYARIKAT

NO. SJIL : K66202064333141317
NO. RUJUKAN PENDAFTARAN : 357-02240153
TEMPOH SAH LAKU : 07/02/2022 - 06/03/2025

Bahawa dengan ini diperlakukan syarikat :
BSE TECHNOLOGY (M) SDN. BHD. (658137-D)
NO.33 & 33A
JALAN PUSAT PERNIAGAAN RAJA UDA 4
SEBERANG PERAI UTARA
12300 BUTTERWORTH
PULAU PINANG, MALAYSIA

Telah berdaftar dengan Kementerian Kewangan Malaysia dalam bidang bekalan/perkhidmatan di bawah sektor, bidang dan sub-bidang seperti di Lampiran A. Kelulusan ini adalah tertakluk kepada syarat-syarat seperti yang dinyatakan di Lampiran B. Individu yang diberi kuasa oleh syarikat bagi urusan perolehan Kerjaan adalah seperti berikut :

TUAN TEH GIM HOI
760818075001
PENGARAH
tt
DATO' ZAMZURI BIN ABDUL AZIZ
Bahagian Perolehan Kerajaan
b.p. Ketua Setiausaha Perbadanan
Kementerian Kewangan Malaysia

Tarikh Berdaftar Dengan Kementerian Kewangan Malaysia : 07/02/2022
(Sijil ini adalah cetakan komputer dan tidak memerlukan tandatangan)

SPAN

Suruhanjaya Perkhidmatan Air
Negara

CIDB

Construction Industry
Development Board

KKM

Kementerian Kewangan
Malaysia

www.bse-tech.com

CERTIFICATE ISSUED BY ABB MALAYSIA



Certificate of Appointment



www.bse-tech.com

PRODUCT & BRANDS

5



FLOTEC

SIEMENS

ABB

ABB

CHEMPRO

The logo for ChemPro, featuring a green square with a stylized yellow and green 'CP' monogram, followed by the word "ChemPro" in a bold, green, sans-serif font.

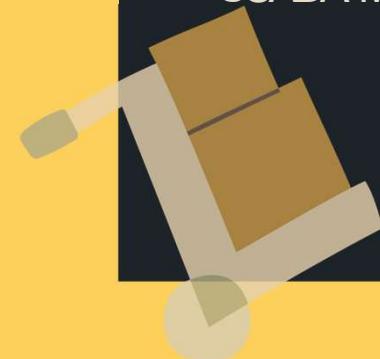
The logo for mySCADA, featuring a blue square icon with a grid pattern, followed by the word "mySCADA" in a bold, blue, sans-serif font.

MYSCADA

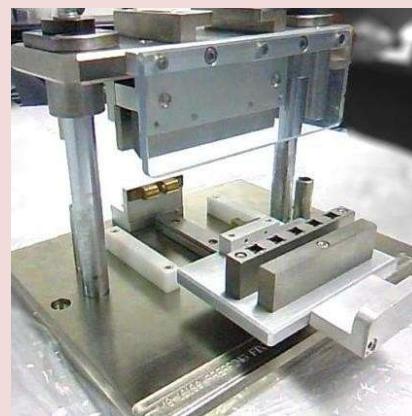
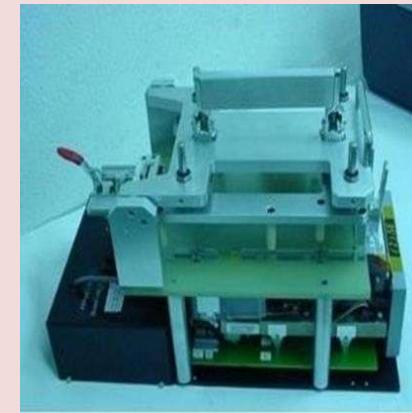
www.bse-tech.com

WHAT WE PROVIDE

- AUTOMATION
- ENGINEERING WORKS
- CLEANROOM
- INDUSTRIAL INTEGRATION SOLUTIONS & SUPPLY
- VISION SYSTEM OR TESTER MACHINE
- LASER MARKING MACHINE
- JIG AND FIXTURE
- ROBOTIC SYSTEM
- SCADA MONITORING SYSTEM, ERP & MES



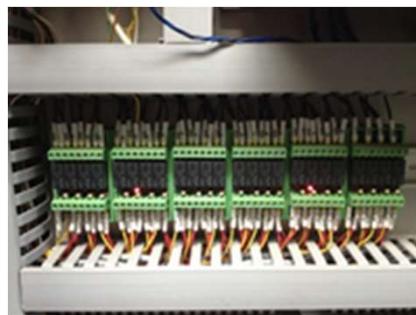
JIG & FIXTURE

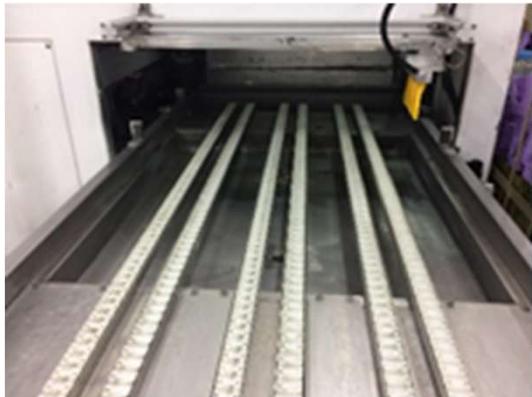




ENGINEERING & TECHNICAL SERVICES:

- Equipment design and development,
- Production layout planning and design
- Mechanical, Electrical & Controls installation, Wire Harness & Control panel wiring.
- Machines operating sequence software programming





CONVEYOR SYSTEMS

- Belt Conveyors
- Chain Conveyors
- Roller Conveyors
- Transfers and Diverter units
- Lifters systems
- Production / Distribution Controls & Programming



System integrations for standard tools

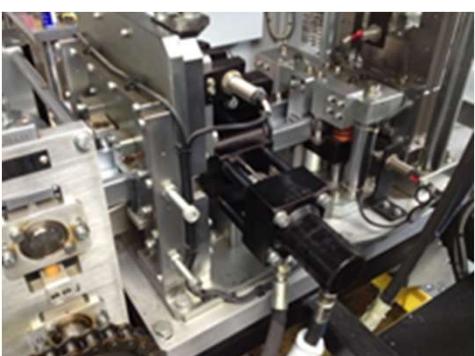
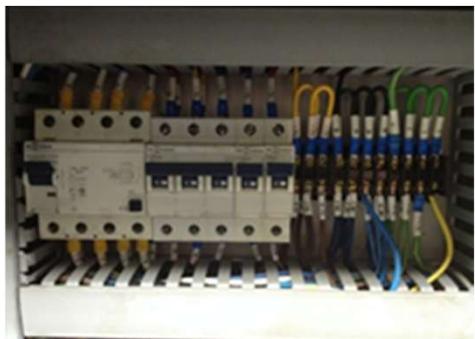
- Atlas Copco – Smart tools
- FIAM – Smart tools
- YAMAHA – Robots



PROJECT PHOTOS



PROJECT PHOTOS



“

Production Line – Machinery

FULLY AUTO ASSEMBLY LINE



LIFTER & LINK
CONVEYOR



WORK CELL
(MANUAL ASSEMBLY)



LINK
CONVEYOR



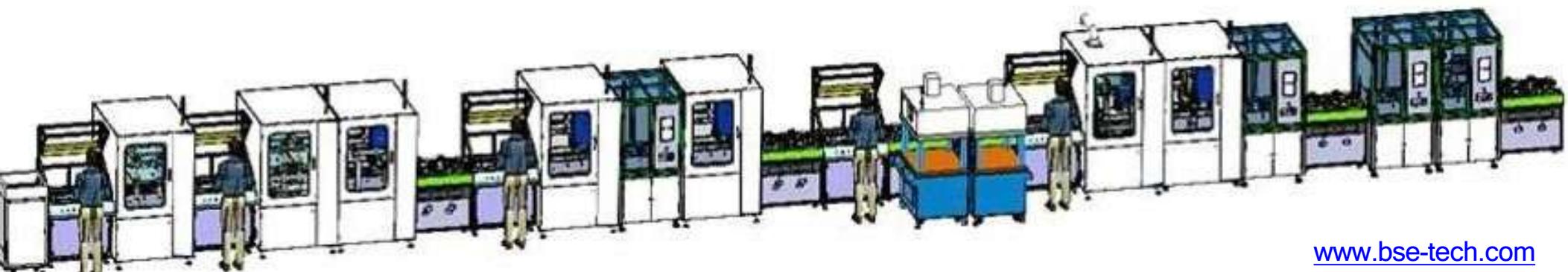
AUTO
FASTENING
MACHINE



AUTO
LABELING
MACHINE



AUTO
DISPENSING
MACHINE



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LASER MARKING MACHINE

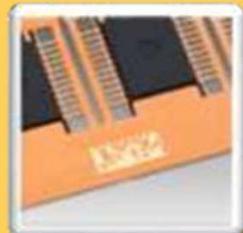
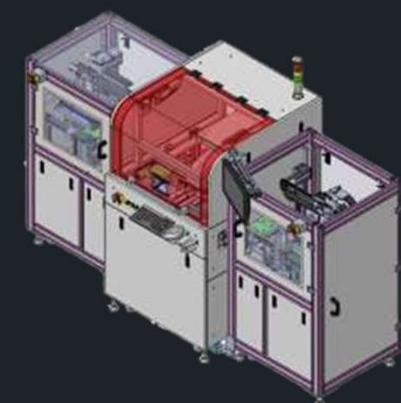
(LEAD FRAME)
SEMICONDUCTOR



(BATTERY)
ELECTRONIC



(PCB) ELECTRONIC



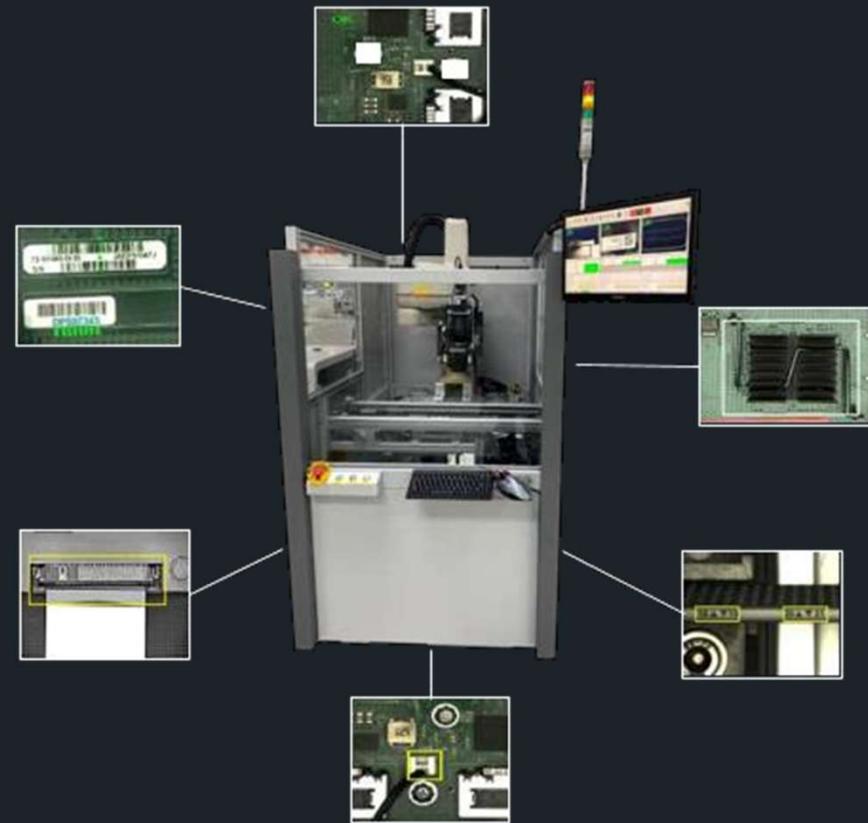
MFR 07842
SPL 89954
SER FFFG6044
PNR 2121MB2P05
DMF 102008



VISION INSPECTION MACHINE

Customer Requirements

- Machine can be used either (Scara Robot or 6 Axis Robot), in line chain conveyor (Smema communication) with rotating table.
- The system is capable of inspecting EMS backend UUT quality, example components missing, incorrect labeling, pin bending and etc.
- This system is an in line system, reducing operator head count and 100% visual checking, better quality control.
- Data collected by the system enables the customer to collect valuable inspection data in order to drive manufacturing process improvement.



Label applicators or Pick
and Place Machine



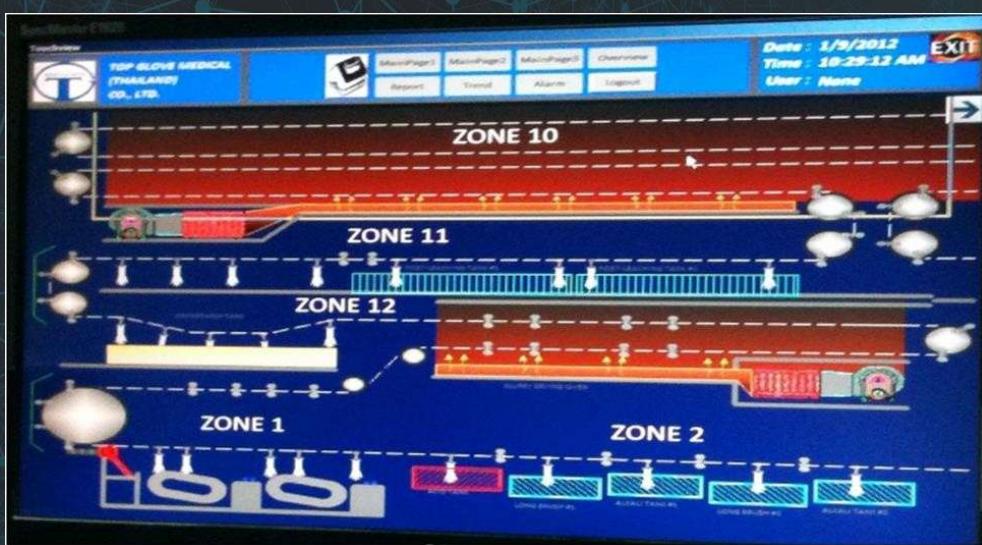
Back end VISION Inspection

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“

Production Line – Monitoring and Control System (SCADA)

SCADA Monitoring System



**Control Panel
Sample**



MACHINE STATUS LINE LAYOUT

3/18/2015

02:33:20 PM

MAIN PAGE

STATUS REPORT

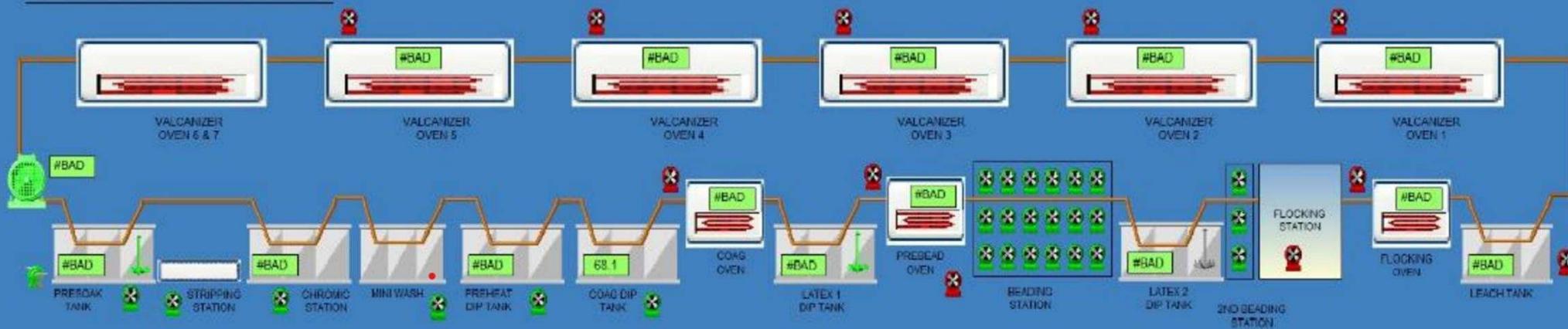
LINE LAYOUT

AG 1 LATEX
TANK LAYOUT

AG 2 LATEX
TANK LAYOUT

SAFETY SENSOR
EMERGENCY STOP

LINE LAYOUT - AG1

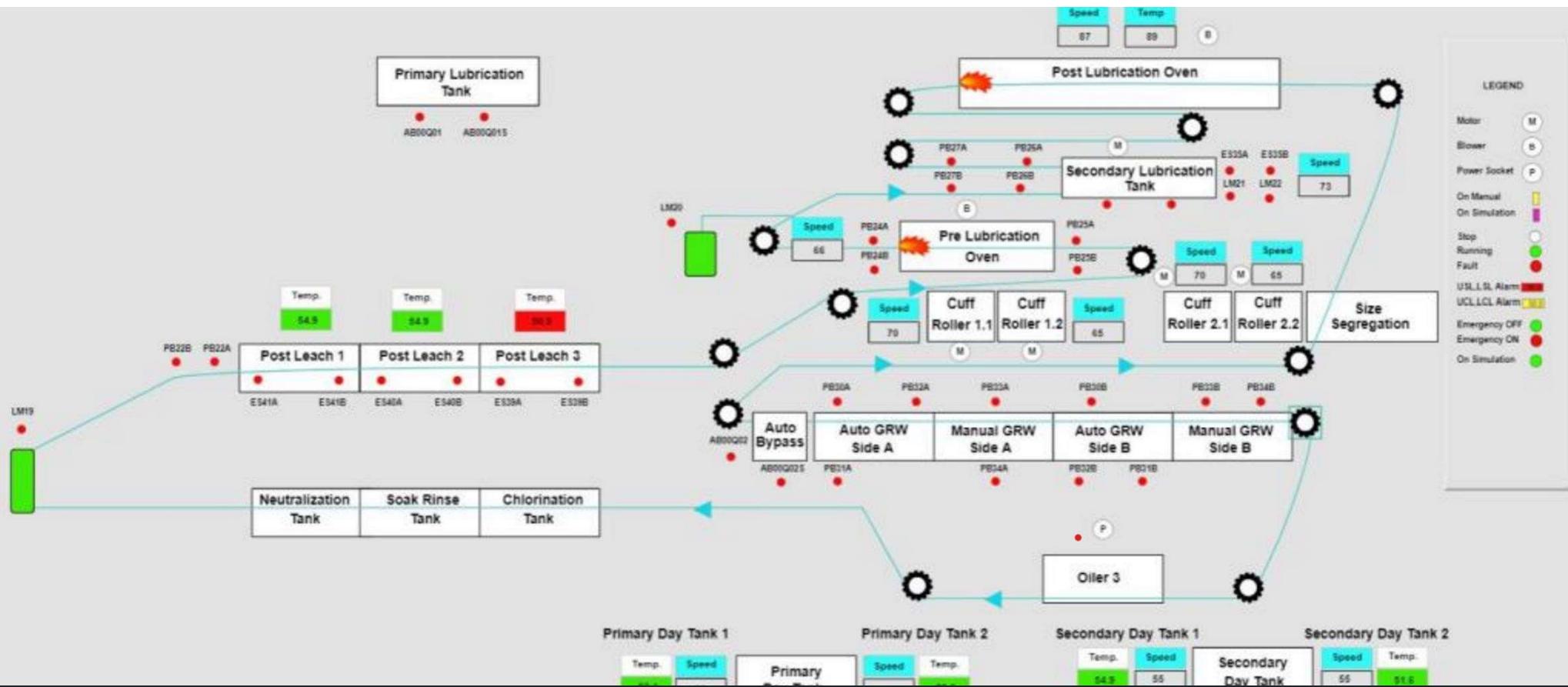


SCADA Sample Pages

Overview Display 1



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SCADA Sample Pages

Overview Display 3



PRODUCT NAME:			PRINT PERIOD			60 minutes			LINE SPEED			58 PCS/MIN		
GAS BURNER CURE ZONE CONTROL AND STATUS (DEGREES)						1 minute						EMERGENCY STOP CONTROL		
NUMBER		6	7	8		5 minutes								
OVEN ZONE	GAS BURNER 6	GAS BURNER 7	GAS BURNER 8	GAS BURNER 9	GAS BURNER 10	20 minutes			1			2		
TEMP SV	110.00	120.00	152.00			30 minutes			AT BEADER			AT PANEL		
TEMP PV	110.10	120.10	151.90			60 minutes			152.00			ON		
TEMP STATUS	HIGH	OK	LOW	HIGH	OK	LOW	HIGH	OK	LOW	HIGH	OK	LOW	MASTER SHUTDOWN	
													Shutdown On	
TANK NUMBER	TEMPERATURE CONTROL (DEGREE C)						LEVEL FILLING CONTROL (cm)							
	TEMP SV	TEMP PV	TEMP STATUS			LEVEL SV	LEVEL PV	LEVEL STATUS			OVERFLOAT SW			
COAGULANT	56.00	55.40	HIGH	OK	LOW									Normal
LATEX 1	26.00	26.60	HIGH	OK	LOW	46.60	46.60	HIGH	OK	LOW				Normal
LATEX 2	23.00	36.90	HIGH	OK	LOW	45.00	42.90	HIGH	OK	LOW				Normal
PRE-LEACH 1	63.00	64.50	HIGH	OK	LOW									
PRE-LEACH 2	63.00	63.50	HIGH	OK	LOW									
PRE-LEACH 3	63.00	65.40	HIGH	OK	LOW									
PRE-LEACH 4	63.00	64.70	HIGH	OK	LOW									
PRE-LEACH 5	63.00	62.00	HIGH	OK	LOW									
POLYMER / SILICONE	25.00	24.60	HIGH	OK	LOW	43.70	44.10	HIGH	OK	LOW				Normal
POST LEACH 3	63.00	42.00	HIGH	OK	LOW									
POST RINSE 3	66.00	65.30	HIGH	OK	LOW									
POST-RINSE 4	66.00	64.90	HIGH	OK	LOW									
SILICONE / SLURRY	*****	*****	HIGH	OK	LOW									Over Flow
MAIN LAYOUT	CONTROLLER SETTING 1	CONTROLLER SETTING 2	CONTROLLER SETTING 3	TREND HISTORY		ACTIVE ALARM	ALARM HISTORY	PLC IO		RECIPE				

SCADA Sample Pages

Summary Report 1

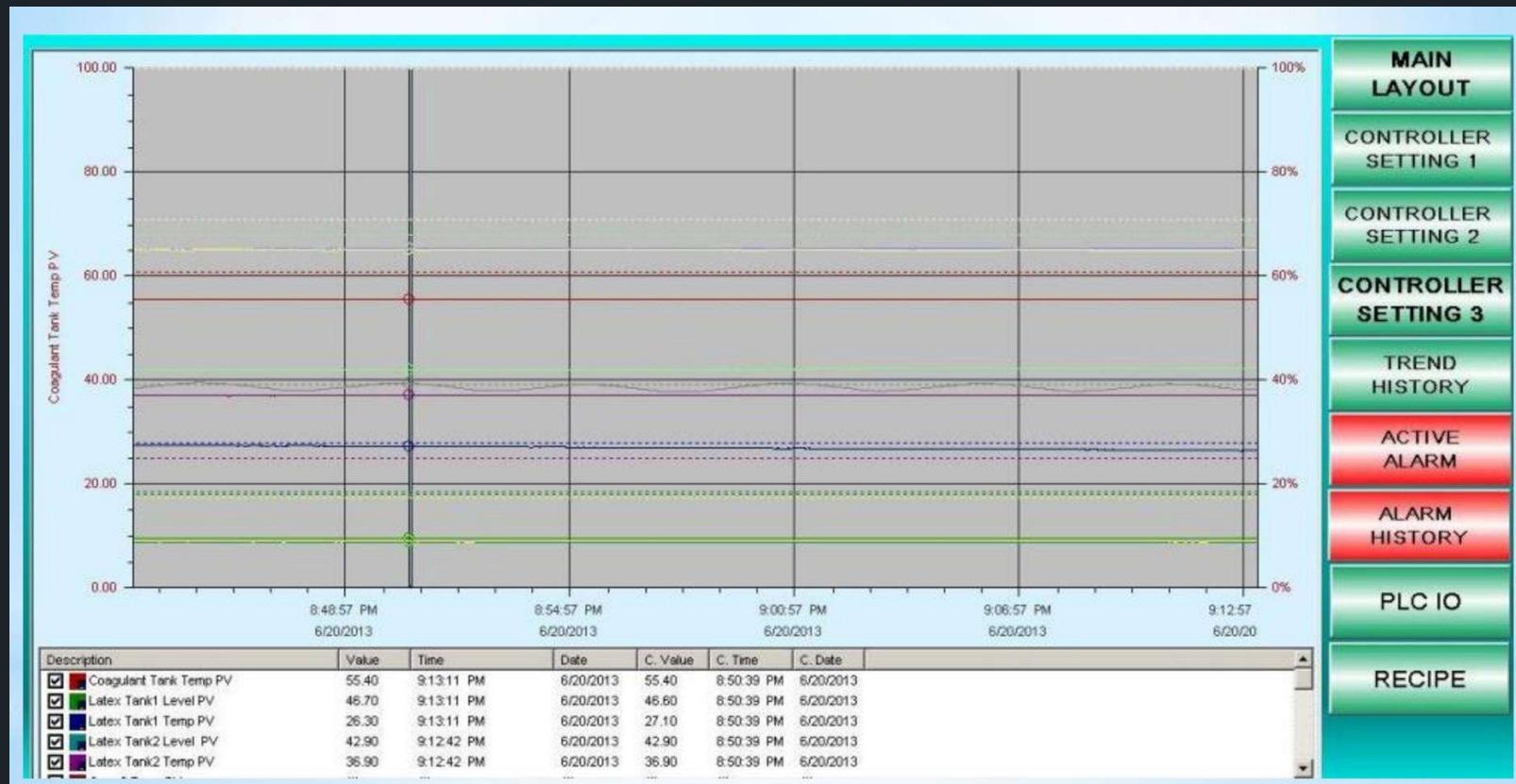




SCADA Sample Pages

Parameter Setting 1





SCADA Sample Pages

Trending Display 1



Severity	State	Node	Area	Tagname	Description	Type	Time	Limit	Operator	Qui
2	ACK_ALM	SERVER02	Latex_mix	TTLX5001.UCL	Reset by: Somchai Ngonmanee	DSC	17/04/2020 09:00:46	true	102163	
2	ACK_ALM	Served01	Latex_mix	TTLX5001.UCL	Reset by: Somchai Ngonmanee	DSC	17/04/2020 09:00:46	true	102163	
1	ACK_ALM	Server01	Coagulant	PTCG0005.LSL	Reset by: Somchai Ngonmanee	DSC	17/04/2020 09:00:46	true	102163	
1	ACK_ALM	SERVER02	Coagulant	PTCG0005.LSL	Reset by: Somchai Ngonmanee	DSC	17/04/2020 09:00:46	true	102163	
2	ACK_ALM	Server01	Dip_Line_L	TT00L47.UCL	Reset by: Adul Kokthong	DSC	17/04/2020 09:00:28	true	106655	
2	ACK_ALM	SERVER02	Dip_Line_L	TT00L47.UCL	Reset by: Adul Kokthong	DSC	17/04/2020 09:00:28	true	106655	
1	ACK_ALM	SERVER02	Dip_Line_L	LT00L01.LSL	Reset by: Adul Kokthong	DSC	17/04/2020 09:00:04	true	106655	
1	ACK_ALM	Server01	Dip_Line_L	LT00L01.LSL	Reset by: Adul Kokthong	DSC	17/04/2020 09:00:04	true	106655	
1	ACK_ALM	SERVER02	Dip_Line_L	TT00L15.LSL	Reset by: Adul Kokthong	DSC	17/04/2020 08:58:31	true	106655	
1	ACK_ALM	Server01	Dip_Line_L	TT00L15.LSL	Reset by: Adul Kokthong	DSC	17/04/2020 08:58:31	true	106655	
2	ACK_ALM	SERVER02	Dip_Line_L	TT00L15.LCL	Reset by: Adul Kokthong	DSC	17/04/2020 08:58:31	true	106655	
2	ACK_ALM	Server01	Dip_Line_L	TT00L15.LCL	Reset by: Adul Kokthong	DSC	17/04/2020 08:58:31	true	106655	
1	ACK_ALM	Server01	Dip_Line_L	LT00L07.USL	Reset by: Adul Kokthong	DSC	17/04/2020 08:50:31	true	106655	
1	ACK_ALM	SERVER02	Dip_Line_L	LT00L07.USL	Reset by: Adul Kokthong	DSC	17/04/2020 08:50:31	true	106655	
2	ACK_ALM	SERVER02	Dip_Line_L	LT00L07.UCL	Reset by: Adul Kokthong	DSC	17/04/2020 08:50:31	true	106655	
2	ACK_ALM	Server01	Dip_Line_L	LT00L07.UCL	Reset by: Adul Kokthong	DSC	17/04/2020 08:50:31	true	106655	
1	ACK_ALM	SERVER02	Dip_Line_L	LT00L01.USL	Reset by: Adul Kokthong	DSC	17/04/2020 08:58:31	true	106655	
1	ACK_ALM	Server01	Dip_Line_L	LT00L01.USL	Reset by: Adul Kokthong	DSC	17/04/2020 08:58:31	true	106655	
2	UNACK_ALM	Served01	Dip_Line_P	TT00P15.LCL	Low Alarm	DSC	17/04/2020 08:58:20	true		
2	UNACK_ALM	SERVER03	Dip_Line_P	TT00P15.LCL	Low Alarm	DSC	17/04/2020 08:58:20	true		
1	UNACK_ALM	Served01	Coagulant	PTCG0005.LSL	Low Low Alarm	DSC	17/04/2020 08:54:25	true		
1	UNACK_ALM	SERVER02	Coagulant	PTCG0005.LSL	Low Low Alarm	DSC	17/04/2020 08:54:25	true		
1	ACK_RTN	Server01	Dip_Line_P	LT00P01.USL	Reset by: Adul Kokthong	DSC	17/04/2020 08:52:40	true	106655	
1	ACK_RTN	Server01	Dip_Line_P	LT00P07.USL	Reset by: Adul Kokthong	DSC	17/04/2020 08:52:40	true	106655	
1	ACK_RTN	SERVER03	Dip_Line_P	LT00P07.USL	Reset by: Adul Kokthong	DSC	17/04/2020 08:52:40	true	106655	
1	ACK_RTN	SERVER03	Dip_Line_P	LT00P01.USL	Reset by: Adul Kokthong	DSC	17/04/2020 08:52:40	true	106655	
2	ACK_RTN	SERVER03	Dip_Line_P	LT00P07.UCL	Reset by: Adul Kokthong	DSC	17/04/2020 08:52:39	true	106655	
2	ACK_RTN	Server01	Dip_Line_P	LT00P07.UCL	Reset by: Adul Kokthong	DSC	17/04/2020 08:52:39	true	106655	
2	UNACK_RTN	SERVER02	Dip_Line_M	LT00M07.LCL	Low Alarm	DSC	17/04/2020 08:52:12	true		
2	UNACK_RTN	Server01	Dip_Line_M	LT00M07.LCL	Low Alarm	DSC	17/04/2020 08:52:12	true		
2	UNACK_ALM	SERVER02	Dip_Line_M	LT00M07.LCL	Low Alarm	DSC	17/04/2020 08:52:11	true		
2	UNACK_ALM	Served01	Dip_Line_M	LT00M07.LCL	Low Alarm	DSC	17/04/2020 08:52:11	true		
2	UNACK_RTN	Server01	Dip_Line_L	TT00L47.UCL	High Alarm	DSC	17/04/2020 08:52:06	true		
2	UNACK_RTN	SERVER02	Dip Line L	TT00L47.UCL	High Alarm	DSC	17/04/2020 08:52:06	true		

SCADA Sample Pages

Alarm History Page 2



Function

- Sale & Purchase Management
- Raw Material Management
- Scheduling & Planning
- Product Management
- Production Execution
- Quality Control
- Warehouse Management
- Machine Monitoring
- Machine Integration

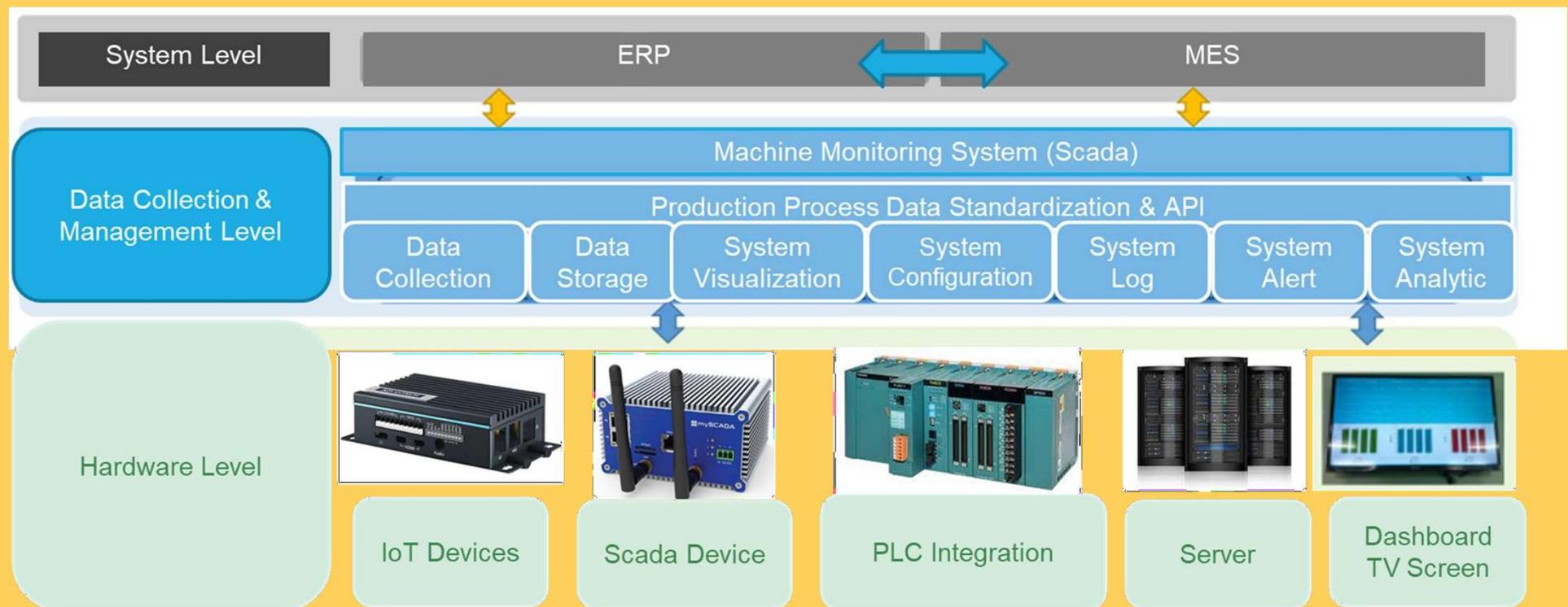
SCADA: MANUFACTURING EXECUTION SYSTEM

System offers you multiple solutions to ease your work systematically. It provides you a work-flow based approach, machine monitoring, scheduling & etc.

Utility

- Improve Efficiency
- Enhance Productivity
- Peace of Mind Operation
- Provide Visibility of Machine
- Operation Status
- Real Time Information

MES: Overall System Design



Quality Control:

Quality & Quantity Control Management

The screenshot shows a dashboard for Quality & Quantity Control Management. It displays three inspection lines (Line 1, Line 2, Line 3) with detailed data:

Line	PO Number	Part No	Part Name	PO Qty	QC Date	QC Pass Qty	QC Reject Qty	Rejection Rate
Line 1	4500058897	5790-0017-0022	Nitrile Glove – Size M	5000	03/11/2021 7:37:08:PM	2808	0	0.00%
Line 2	PO_AHM_21-01009	MY4208MLLP	Nitrile Glove – Size L	6000	02/11/2021 8:09:08:PM	3960	241	6.09%
Line 3	WFI019594-1	2500067	Nitrile Glove – Size XL	80000	02/11/2021 11:24:05:PM	46000	0	0.00%

Below the lines, a large orange arrow points down to a 'Select One Reason Code' dropdown on a machine screen. The machine screen shows 'Machine WY160' and a list of defective reasons: Pinhole, Stains, Steaky, Dented, Torn, and Coagulum.

Record the inspection results in detail, truly control the quality of raw materials, and reduce derivative problems caused by poor quality of raw materials

The screenshot shows a machine control interface for Line 2. It displays the following data:

Line	Machine ID	Start Date	End Date	Status
Line 2	2201164	17/01/2022	17/01/2022	ON

Buttons: Restart, Finish, Align The Counter Value, Close, Confirm.

Fields: Part No (P50GX72MM-N), Part (50G X 72MM-N), Production Quantity (23454), Total Reject(0), Cycle Time (31.3), Counter (1068), Progress (4.55%), Expected Hours Left (48.66 hours).

Customized Dashboard:

Glove Factory

- Dashboard
- Machine Monitoring
- Quality Control
- OEE Dashboard
- Master Data**
- General
- Master Data 1
- Master Data 2
- Master Data 3
- Master Data 4
- Master Data 5
- Master Data 6

≡

Dashboard

Home / Dashboard v3

Overall Productivity

Date	This Week	Last Week
18th	100	60
20th	120	80
22nd	175	70
24th	165	85
26th	180	85
28th	165	75
30th	155	100

■ This Week ■ Last Week

Sales Turnover

Month	This year	Last year
JUN	\$1k	\$600
JUL	\$2k	\$1.6k
AUG	\$3k	\$2.6k
SEP	\$2.5k	\$2k
OCT	\$2.8k	\$1.8k
NOV	\$2.4k	\$1.4k
DEC	\$3k	\$2k

■ This year ■ Last year

Products

Product	Price	Sales	More
Some Product	\$13 USD	↑ 12% 12,000 Sold	🔍

12%
CONVERSION RATE
0.0%

MAIN CUSTOMERS



**Western
Digital®**

AT&S

The logo for BW WATER, featuring a stylized "B" and "W" icon composed of blue and purple bars, followed by the text "BW WATER" in a blue sans-serif font.

MAIN CUSTOMERS

JABIL

OLYMPUS®

FRONTKEN



Nidec
All for dreams

motorola



Cleanroom Solutions



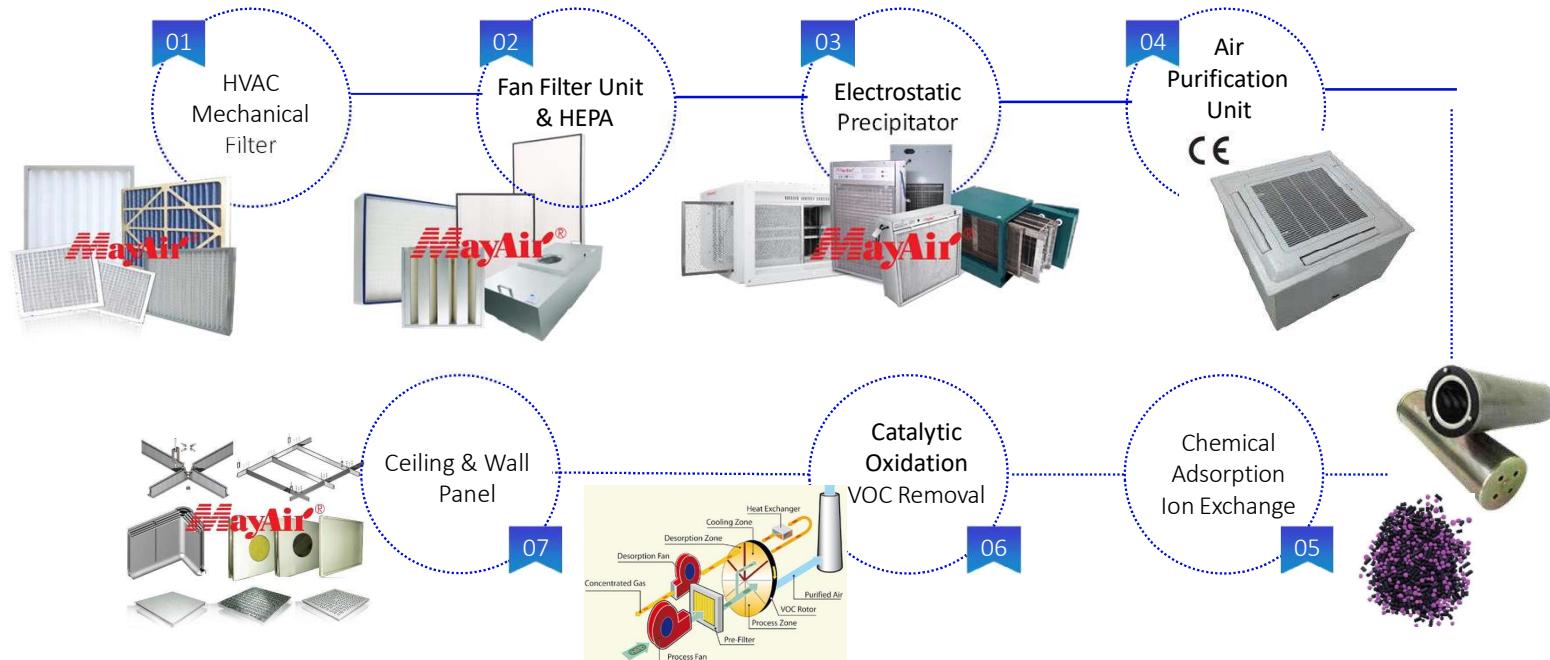
GLOBAL CLEAN TECH SOLUTIONS PROVIDER

CLEAN AIR | OUR FUTURE



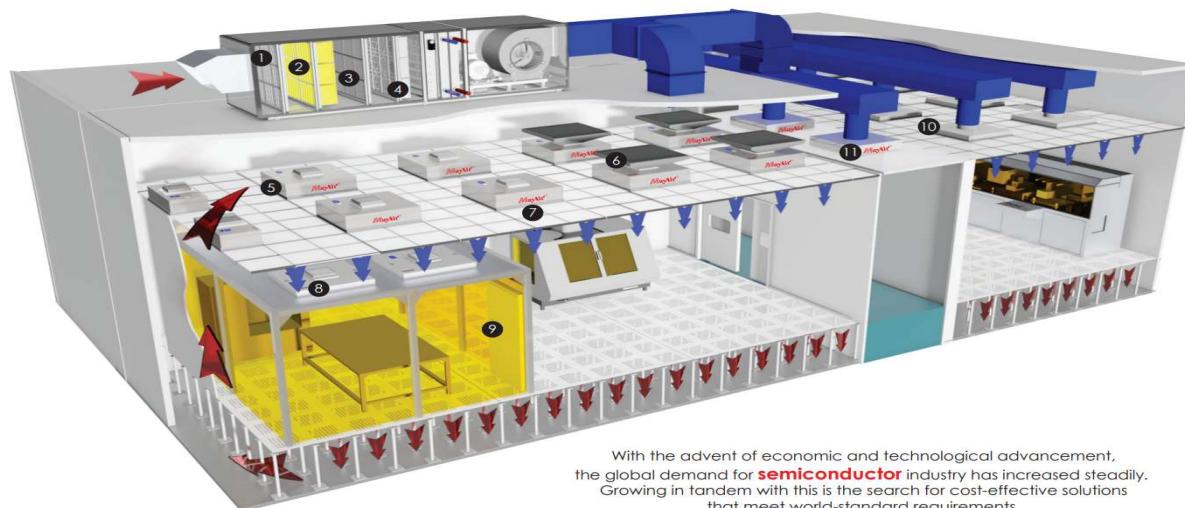
CORE TECHNOLOGY

- Continuous innovation to meet customers' needs and widen product range.
- Persistent in providing cost effective clean air solutions in various application with leading technology.



Cleanroom for Semiconductor

Clean Air - Our Future
www.mayair.com.my



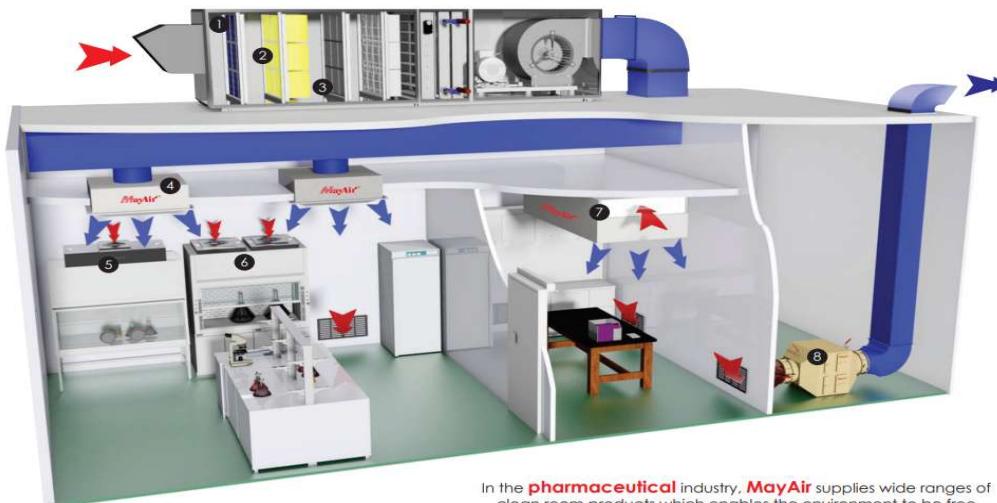
With the advent of economic and technological advancement, the global demand for **semiconductor** industry has increased steadily. Growing in tandem with this is the search for cost-effective solutions that meet world-standard requirements.

Recommended range of products:



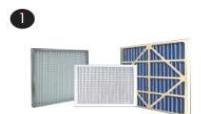
Cleanroom for pharmaceutical

Clean Air - Our Future
www.mayair.com.my



In the **pharmaceutical** industry, **MayAir** supplies wide ranges of clean room products which enables the environment to be free from microbial and particulate contamination.

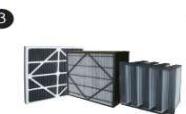
Recommended range of products:



Primary Filter
pg 14



Secondary Filter
pg 23



Carbon Filter
pg 105



Ceiling Module
pg 73



Equipment Filter Unit
pg 57



Fan Filter Unit
pg 62



Laminar Air Flow Hood
pg 77

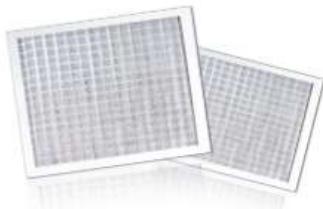


Bag-In-Bag-Out
pg 74



HVAC Mechanical Filter – Primary & Secondary

Metal Mesh Filter
M-NET



Disposable Panel Filter
M-DP



Washable Panel Filter
M-WASH



Washable Filter Media
M-CUT



Pocket Filter
M-PACK



Medium Efficiency Filter with Separator
M-MI



Medium Efficiency V-Shaped Mini-Pleated Filter
M-MV



Medium Efficiency Mini-Pleated Filter
M-MII





FFU – Versatile Types of FFU Design for Different Cleanroom Applications



Equipment Fan Unit



Gel-Seal HEPA Design



Dry-Coil Design



EC Controller



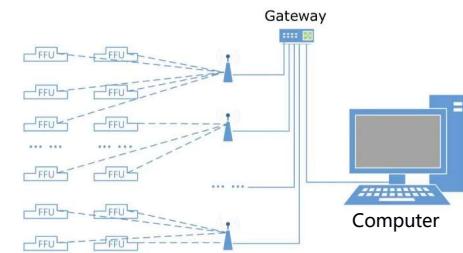
Bottom-Load with Cover Design



Bottom-Load with Flange Design



Bottom Load Design

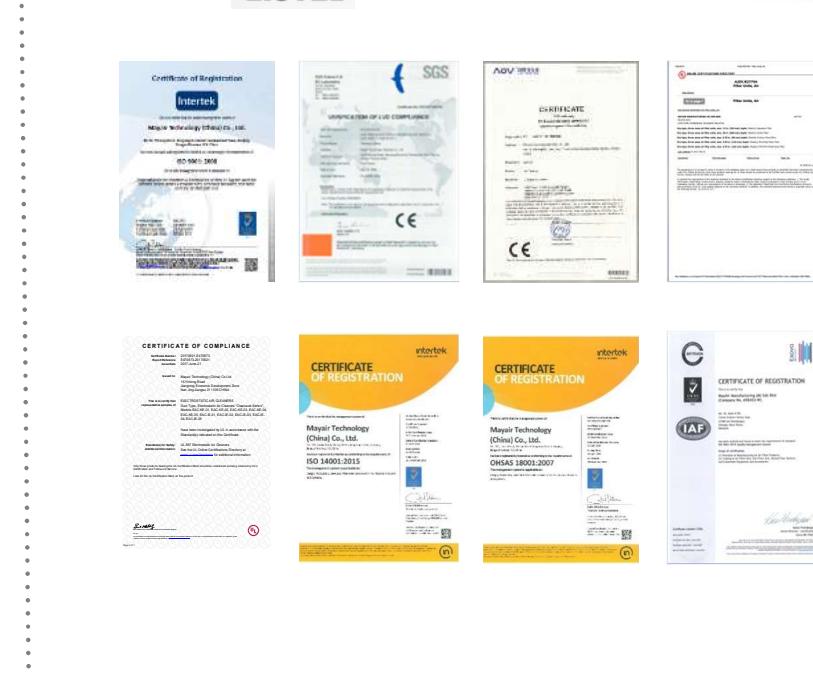


MayAir Flonet System

MayAir®



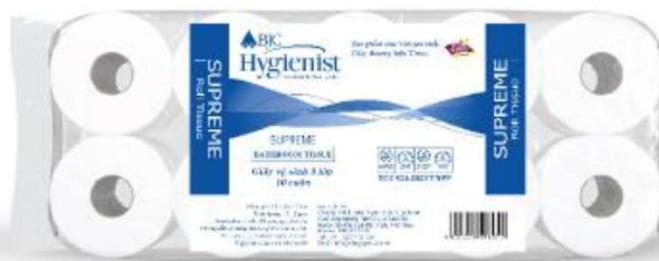
MAYAIR CERTIFICATIONS







1 GVS công nghiệp BJC Hygienist 3pl 700g
BJC Hygienist Jumbo Roll Bathroom Tissue 3ply 700 g



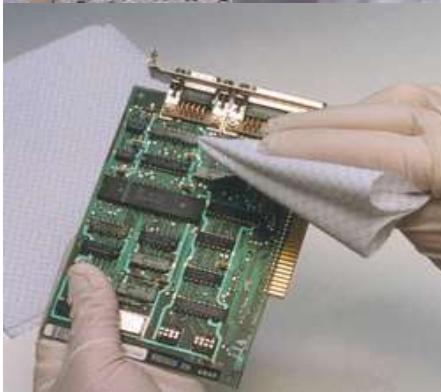
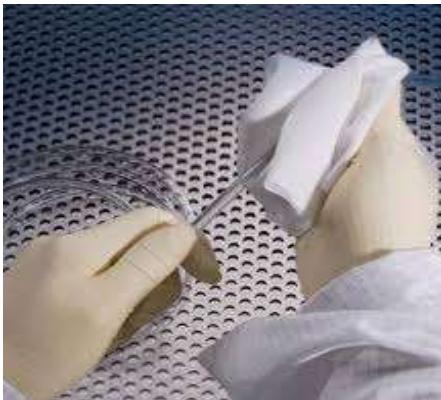
2 GVS BJC Hygienist 3ply 120g 10 cuộn
BJC Hygienist Bathroom Tissue 3ply 120 g 10roll



3 Khăn giấy ăn BJC Hygienist 2pl 240-500G
BJC Hygienist Napkin Tissue 2ply 240-500 g



4 GVS BJC Hygienist 2ply 120g 10 cuộn
BJC Hygienist Bathroom Tissue 2ply 120 g 10 roll









LINE-LINK PRODUCTS



In 2003, Linsen Group introduced the CNC adjustable handmade panel forming production line, which has greatly promoted the development process of clean room modularization.

Cleanroom Solution Application



1 Panel-type Primary Filter



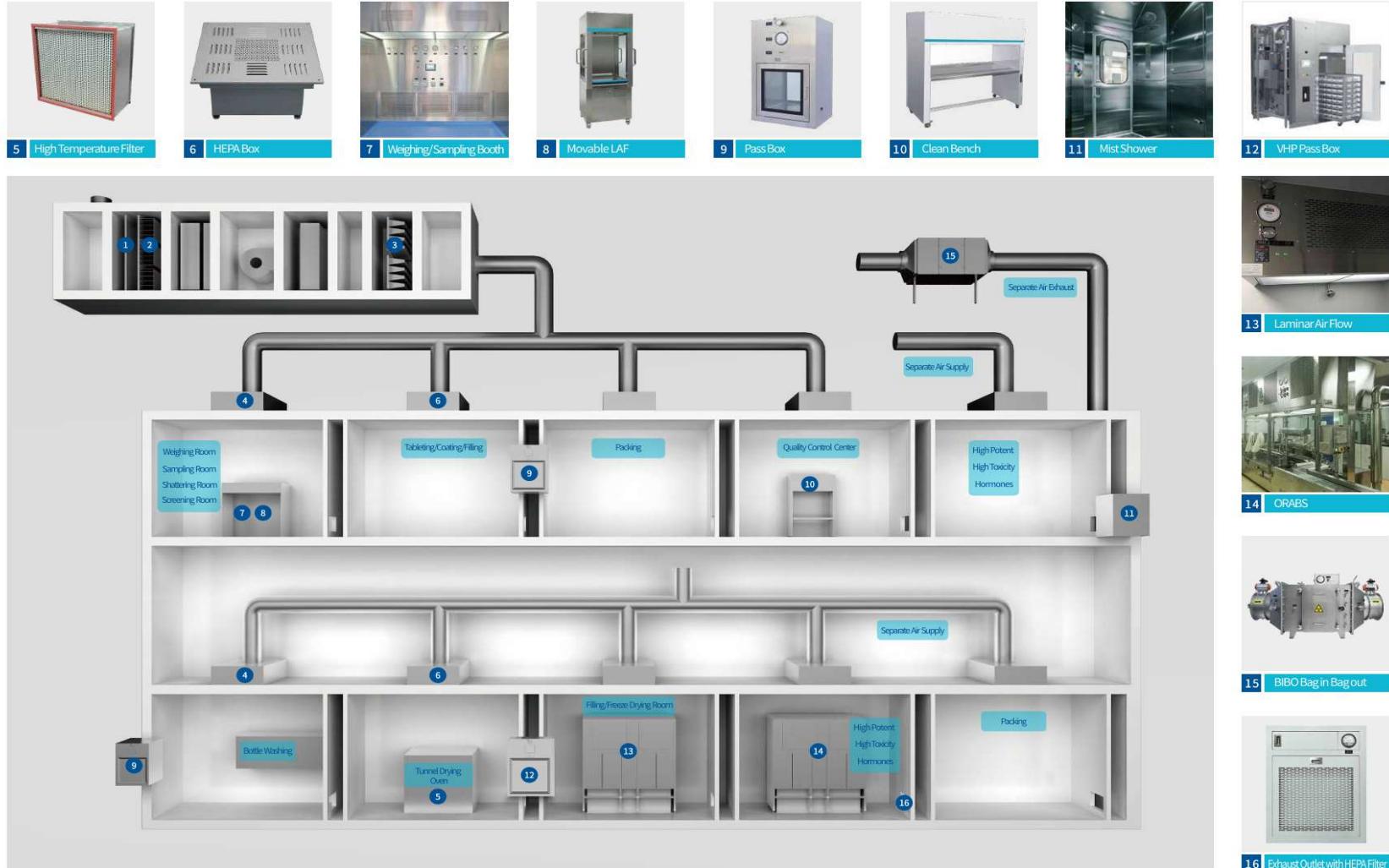
2 Bag-type Medium Filter



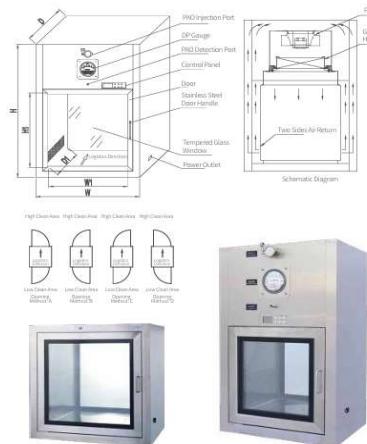
3 W-type Filter



4 Gel-type HEPA Filter



LL-DPB/SPB series



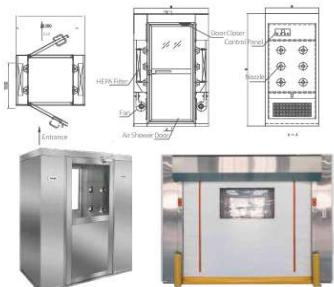
Dynamic Pass Box/ Static Pass Box

The dynamic pass box can transfer materials and appliances under Class A environmental protection, and the materials and appliances will enter the sterile area after being cleaned in the dynamic pass box. They are mostly used in the general area to pass to Class D, Class C area.

- 01 Interlock, DP gauge, UV light, PAO injection and detection port, control panel, EBM fan.
- 02 Integrated arc design, no dead angle, easy to clean.
- 03 Double-layer negative pressure design, no risk of leakage.
- 04 The partition is well sealed, easy to operate and easy to maintain, age time.
- 05 UV light can reckon by cumulative time, and it can be replaced (based on usage time)

Model	Specification (L×W×H)	Internal Size (W×D×H)	Rated Speed (m/s)	Cleanliness	Noise (dB)	Power (kw)
CDC4-50.50.50	700×560×1050	500×500×500			0.15	
CDC5-60.60.60	800×660×1150	600×600×600	0.45±20%	Class A	65	0.15
CDC6-80.80.80	1000×860×1350	800×800×800			0.25	

LL-AS series



Air Shower for Personnel / for Material

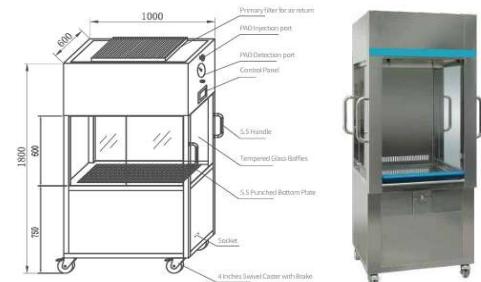
Air shower for personnel / for material series products are a purification equipment with strong versatility. They are generally installed between cleanroom and non-cleanroom. They are the passages for people or materials to enter the cleanroom. The clean air that is blown out can remove the dust carried by people and materials, and it can effectively block or reduce the dust source from entering the clean area. The front and rear doors of the air shower for personnel / for material are equipped with interlocks, which can also act as an air lock to prevent unpurified air from entering the clean area. The equipment is widely used in the fields of food, medicine, biological engineering and microelectronics, etc.

Model	Specification (W×D×H)	Internal Size (W×D×H)	Rated Speed (m/s)	Cleanliness of working area	Noise (dB)	Nozzle (Pcs)	HEPA size L×W×D
FLS 101	1300×1000×2270	800×900×2000			12	610×610×69×2	
FLS 102	1300×2000×2270	800×1900×2000			24	610×610×69×4	
FLS 103	1300×1500×2270	800×1400×2000	25	Class A	18	610×620×69×2	
FLS 104	1300×3000×2270	800×2900×2000			36	610×820×69×6	

LL-MLAF series

Class A Movable LAF

Class A Movable LAF is mainly used for aseptic transfer of materials and appliances between aseptic processes to realize aseptic docking. According to the different types of sterile materials, you can choose using vertical unidirectional flow or horizontal movable LAF



Model	External Size (L×W×H)	Internal Size (W×D×H)	Rated Wind Speed (m/s)	Working area cleanliness level	Noise (dB)	Illumination (Lux)	Power (kw)
LL-MLAF-90.60	900×600×1800	820×580×750	0.45±20%	Class A	65	≥300	0.18
LL-MLAF-120.60	1200×600×1800	1120×580×750					0.25

LL-ORABS series

Open Restricted Access Isolation System

Open-RABS is through the forming of an airflow barrier between core area and background area to protect the sterile equipment in the core area. The operator can only operate with isolation gloves to prevent the risk of disturbing the sterile open area by direct contact.

Open-RABS can be equipped with wind speed, pressure difference and cleanliness level and other online monitoring devices.

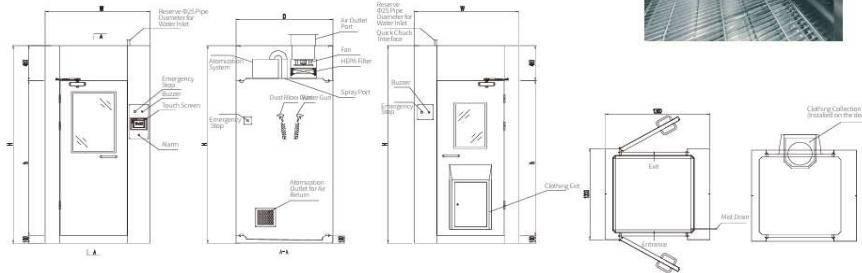


Biological Protection Equipment

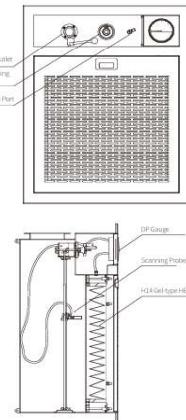
LL-MS series

Mist Shower

The mist shower is used in special environment such as laboratories or workshops to ensure that the active or toxic dust particles adhering to the surface of the clean clothes are removed by mist when the personnel leave the workshop during the production process or after the production. The equipment is composed of four major systems: enclosure structure, water system, spray system and automatic control system.



LL-HEV series



Exhaust Outlet With HEPA Filter

Exhaust outlet with HEPA filter is mainly used in pharmaceutical food, biological laboratories, hospitals and other fields. It is composed of a box, a HEPA filter, a diffuser, etc.. The primary filter section, HEPA filter section, scanning test section, molecular filtration section, aerosol injection, pressure difference detection and other components can be set according to requirements. With embedded installation design, it can be directly installed on the side wall of the cleanroom, conforming to the operating specifications of the cleanroom in the pharmaceutical factory.

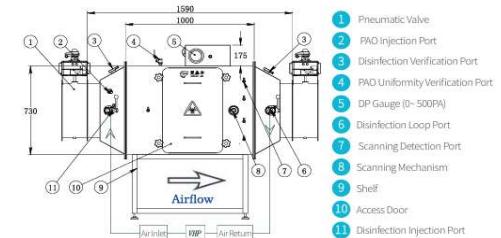
- 01** The box is seamlessly welded to ensure good air tightness
- 02** Exhaust grille: orifice panel
- 03** The exhaust grille is installed and fixed with a special structure, which is convenient to disassemble and invisible installation, which is beautiful and easy to clean
- 04** The DP gauge monitors the resistance of the HEPA filter in real time
- 05** In-situ scanning for leak detection, in-situ online disinfection
- 06** The filter efficiency level can be selected according to the indoor cleanliness requirements.

LL-BIBO
series



Function Segment Selection

Frame Material	Seal	Upstream and Downstream Detection Ports
DP Gauge, Differential Pressure Sensor		Manual/Automatic Scanning Test Section
Aerosol Generation Section, Mixing Section		Biological Sealing Valve



Bag In Bag Out

Bag In Bag Out Filter, commonly known as BIBO, also referred to as the duct-type air return filter device. Since the filter has retained highly active or highly toxic harmful aerosols during the working process, it is necessary to ensure that the filter does not have any contact with the external environment during the replacement process. It can effectively prevent the spread of harmful aerosols and avoid biological hazards to personnel and the environment. It is a filter device used in a specific biological environment to remove harmful biological aerosols in the air return process. At present, it is mainly used in high-level biosafety laboratories, hospital isolation rooms, pharmaceutical equipment, microelectronics environments, food processing areas, industrial processing exhaust systems, chemical processing equipment, air supply or exhaust air processing systems for animal disease research laboratories.

LL-BIBO series

Airtight Valve

The airtight valve is a key sealing device to prevent harmful gases from entering or discharging to other areas. The airtight valve has good air tightness. The airtight valve complies with the European and American EN12266-2 standard and the American ASME/NP09 standard. And after 5000 times of opening and closing in the case of ISO10648-2 standard of 2500Pa, the net volume of the leakage rate is no higher than 0.2%Pa⁻¹, ensuring zero leakage.

Material	SUS 304
Operation Method	Manual, Electric, Pneumatic
Surface Treatment	Brushed, Sandblasting



Other Products



Flooring



Epoxy color sand floor



Epoxy floor



PVC floor



Mobile PCR test center





Cleanroom Door and Window



Cleanroom Single Door



Emergency Door



Cleanroom Double Door



GMP Flush Type
Single Door



GMP Flush Type
Double Door



GMP Flush Type
Big View Window Door



Single Glass View Window

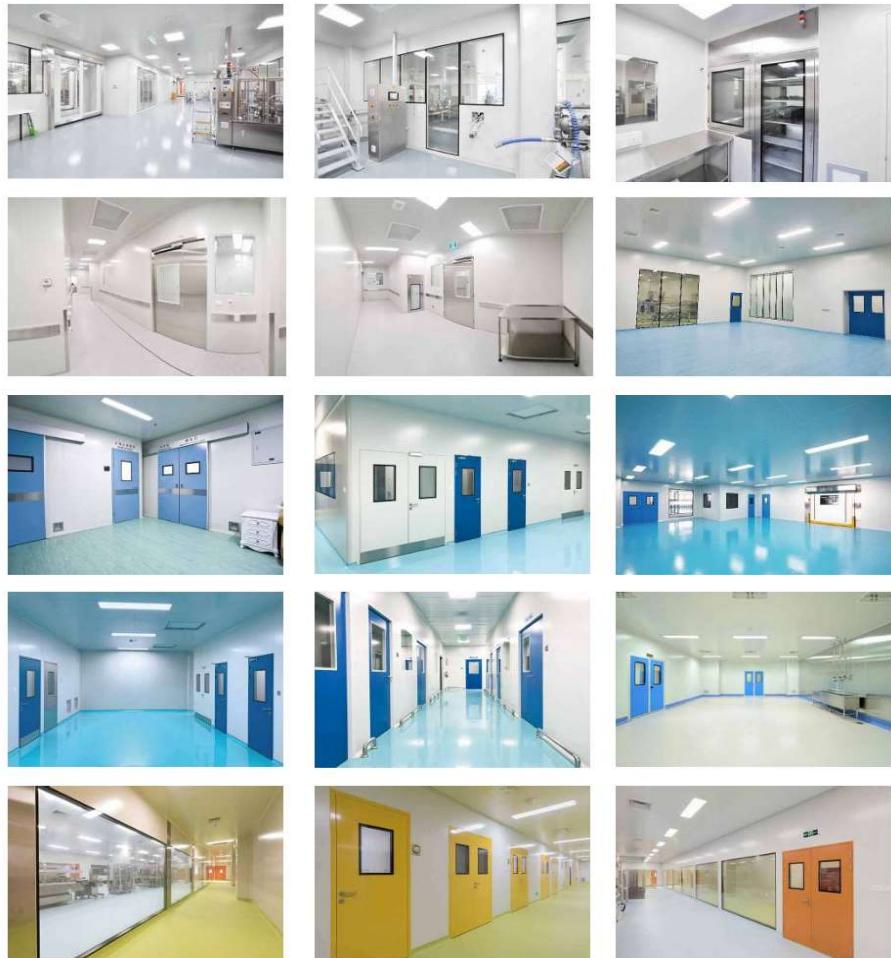


Stainless Steel Hinge



GMP Flush Type
Double View Window

Project Reference



LL-CRSW-50 series

50mm Metal Cleanroom Panel Handmade,rock wool



Structure Type

The 50mm metal surface handmade rock wool sandwich panel with MGO adopts color-coated or stainless steel sheet as the surface and the surrounding galvanized steel strips and galvanized corners are sealed, and the rock wool (can be water-proof) is filled with single or double layers of 5mm glass magnesium board as the inner core layer. Manufactured through processes such as heating, pressing, and curing.

Insulation



Physical Parameters

Total Thickness	50mm
Standard Size	980mm,1160mm,1180mm,1200mm Other size customizable
Diagonal Tolerance	≤1mm
Max. Length	≤10000mm
Coating	PE, PVDF, Antistatic, Stainless steel, HDP and PVC coating etc.
Sheet Thickness	0.5mm, 0.6mm, 0.7mm, 0.8mm, 1.0mm
Insulation Material	Rockwool (Density: 100~120 kg/m³), 1 or 2 layers of MGO are available
Panel Frame	0.8mm, galvanized steel
Corner Connection	1.0mm, galvanized steel
Protection Film	0.06mm, customizable if t>0.06mm
Flexural Capacity	0.9KN/m²
Bonding Performance	0.15MPa
Peeling Performance	≥ 85%—≤ 98%
Heat-transfer Coefficient	0.73W/m²·K
Fire Resistance	1.0h
Connection Type	Aluminum joint type, continuous type



LL-CRSW-50 series

50mm Metal Cleanroom Panel Handmade, PU/EPS/PIR



Structure Type

The 50mm metal surface handmade PU/EPS/PIR sandwich panel adopts color-coated or stainless steel sheet as the surface and the surrounding galvanized steel strips and galvanized corners are sealed, and PU/EPS/PIR is infilled as the inner core layer. Manufactured through processes such as heating, pressing, and curing.

Insulation



Physical Parameters

Total Thickness	50mm
Standard Size	980mm,1160mm,1180mm,1200mm Other size customizable
Diagonal Tolerance	≤1mm
Max. Length	≤10000mm
Coating	PE, PVDF, Antistatic, Stainless steel, HDP and PVC coating etc.
Sheet Thickness	0.5mm, 0.6mm, 0.7mm, 0.8mm, 1.0mm
Insulation Material	PU/EPS/PIR (Density: 12~24 kg/m³)
Panel Frame	0.8mm, galvanized steel
Corner Connection	1.0mm, galvanized steel
Protection Film	0.06mm, customizable if t>0.06mm
Flexural Capacity	1.233KN/m²
Bonding Performance	0.027MPa
Peeling Performance	≥ 85%—≤ 94%
Heat-transfer Coefficient	1.012W/m²·K
Fire Resistance	0.5h
Connection Type	Aluminum joint type, continuous type



LL-CRSW-50 series

50mm Metal Cleanroom Panel Handmade, Aluminum honeycomb



Structure Type

The 50mm metal surface handmade Aluminum honeycomb sandwich panel with MGO adopts color-coated or stainless steel sheet as the surface and the surrounding galvanized steel strips and galvanized corners are sealed, and Aluminum honeycomb is infilled and with double layers of MGO as the inner core layer. Manufactured through processes such as heating, pressing, and curing.

Insulation



Physical Parameters

Total Thickness	50mm
Standard Size	980mm,1160mm,1180mm,1200mm Other size customizable
Diagonal Tolerance	≤1mm
Max. Length	≤10000mm
Coating	PE, PVDF, Antistatic, Stainless steel, HDP and PVC coating etc.
Sheet Thickness	0.5mm, 0.6mm, 0.7mm, 0.8mm, 1.0mm
Insulation Material	Aluminum honeycomb (Aperture 21mm, <21mm customizable) + 2 layers MGO
Panel Frame	0.8mm, galvanized steel
Corner Connection	1.0mm, galvanized steel
Protection Film	0.06mm, customizable if $t > 0.06mm$
Flexural Capacity	0.9KN/m ²
Bonding Performance	0.15MPa
Peeling Performance	≥ 85%—≤ 98%
Heat-transfer Coefficient	0.73W/m ² ·K
Fire Resistance	1.0h
Connection Type	Aluminum joint type, continuous type



FIRE RESISTANCE

LL-CRSW-50 series

50mm Metal Cleanroom Panel Handmade, paper honeycomb



Structure Type

The 50mm metal surface handmade paper honeycomb sandwich panel with MGO adopts color-coated or stainless steel sheet as the surface and the surrounding galvanized steel strips and galvanized corners are sealed, and paper honeycomb (can be non-flammable) is infilled and with double layers of MGO as the inner core layer. Manufactured through processes such as heating, pressing, and curing.

Insulation



Physical Parameters

Total Thickness	50mm
Standard Size	980mm,1160mm,1180mm,1200mm Other size customizable
Diagonal Tolerance	≤1mm
Max. Length	≤10000mm
Coating	PE, PVDF, Antistatic, Stainless steel, HDP and PVC coating etc.
Sheet Thickness	0.5mm, 0.6mm, 0.7mm, 0.8mm, 1.0mm
Insulation Material	Paper honeycomb (Aperture 21mm, <21mm customizable) + 2 layers MGO
Panel Frame	0.8mm, galvanized steel
Corner Connection	1.0mm, galvanized steel
Protection Film	0.06mm, customizable if $t > 0.06mm$
Flexural Capacity	1.222KN/m ²
Bonding Performance	0.028MPa
Peeling Performance	≥ 85%—≤ 95%
Heat-transfer Coefficient	1.068W/m ² ·K
Fire Resistance	1.0h
Connection Type	Aluminum joint type, continuous type



FIRE PROOF

LL-CRHW-50 series

HPL surface clean room
Selection of handmade made
Sandwich Panel

Structure Type

The HPL surface handmade made sandwich panel adopts two layers of 5mm HPL as the surface, and the surrounding Aluminum frame, inner filling core material. Much stronger than European HPL panel.

50mm HPL Cleanroom Panel Handmade, rock wool



Physical Parameters

Total Thickness	50mm
Standard Size	980mm, 1000mm, 1180mm
Max. Length	≤3000mm
HPL Thickness	5mm
Insulation material	Rock wool, Paper honeycomb, Aluminum honeycomb
Panel Frame	Aluminum
Protection Film	0.06mm, customizable if t>0.06mm
Connection Type	Aluminum joint type
Advantage-1	Can connect with regular wall panel system: save budget
Advantage-2	Resistant to H2O2, No scratching, strong

LL-CRSW-50 series

For metal surface clean
room Selection of Machine
made Sandwich Panel

Structure Type

The metal surface machine -made sandwich panel adopts color-coated galvanized steel sheets as the surface, and the surrounding galvanized steel strips, inner filling core material, through high-speed continuous automation. The molding machine is heated, pressurized, compounded, trimmed, slotted, and formed by blanking. A new generation of building decoration panels; with thermal insulation, convenient installation, etc.

50mm Metal Cleanroom Panel Machine made



Physical Parameters

Total Thickness	50mm, 75mm, 100mm, 150mm, 200mm
Standard Size	950mm, 1150mm
Max. Length	≤10000mm
Coating	PE
Sheet Thickness	0.426mm, 0.45mm, 0.476mm, 0.5mm
Insulation material	Rock wool, silica rock, foam, polyurethane, paper honeycomb, hollow glass magnesium, magnesium oxy-sulfide, etc.,
Panel Frame	0.45mm, 0.5mm (thickness optional)
Protection Film	0.06mm thick, more than 0.06mm can be customized
Connection Type	Continuous type
Type	H board (flat plate, profiled), grooved board, corrugated sandwich board

LL-CRSW-100 series

100mm Metal Cleanroom Panel Handmade, Gypsum board



Structure Type

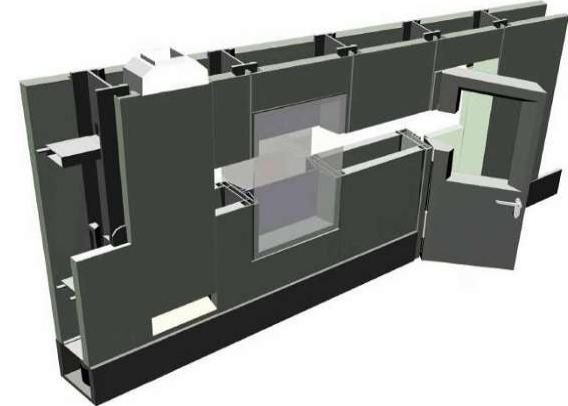
The 100mm metal surface cleanroom handmade double gypsum board with air return adopts color-coated or stainless steel sheet as the surface and the surrounding galvanized steel strips and galvanized corners are sealed, and gypsum board as the inner core layer. Manufactured through processes such as heating, pressing, and curing.

Physical Parameters

Total Thickness	100mm
Standard Size	960mm,1160mm, Other size customizable
Tolerance	≤1mm
Max. Length	≤10000mm
Coating	PE, PVDF, Antistatic, Stainless steel HDP and PVC coating etc.
Sheet Thickness	0.5mm, 0.6mm, 0.7mm, 0.8mm, 1.0mm
Insulation material	Double 12mm gypsum board
Panel Frame	1.0mm
Corner Connection	1.0mm, galvanized steel
Protection Film	0.06mm, customizable if $t > 0.06mm$
Connection Type	Aluminum joint type

LL-CRSW-76/100 series

100mm Clip Cleanroom Panel Handmade, Gypsum board



Structure Type

76mm/100mm metal surface detachable wall, using special shrapnel edge gypsum board, with adjustable ground rail, H-shaped vertical keel, reinforced horizontal keel, elastic buckle and other accessories assembled, 100mm thick wall can be built with air return unit. Each panel can be removable.

Physical Parameters

Total Thickness	76mm/100mm
Standard Size	960mm,1160mm,Other size customizable
Diagonal Tolerance	≤1mm
Max.Length of vertical keel	20000mm
Coating	PE, PVDF, Antistatic, Stainless steel HDP and PVC coating etc.
Sheet Thickness	0.5mm, 0.6mm, 0.7mm, 0.8mm, 1.0mm
Insulation material	12mm gypsum board (fireproof 4H interior needs to be filled with rock wool)
Panel Frame	1.2mm
Protection Film	0.06mm, customizable if $t > 0.06mm$
Fire Resistance	1.0h/4.0h
Connection Type	Keel construction, spring buckle

LL-CRDW series

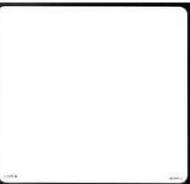
Cleanroom window

Double-layer tempered glass cleanroom window

Available Corner Type



Rectangular Corner



Rectangular and Round Corner



Round Corner

Structure Type

Unique performance in sealing.
Flush with wall. Injected with
Nitrogen gas.
Flexible installation.
Stainless steel frame beautiful appearance. Customizable thickness.

Parameters

Thickness	50mm / 75mm / 100mm (Other size available)
Frame Color	Black/ White
Glass Thickness	5mm/ 6mm/ 8mm
Corner Type	Rectangular,Rectangular and Round, Round, (S.S inside)
Glass Performance	Tempered glass/ Fireproof glass
Sealing Performance	Four-side sealing, built-in desiccant, filled with N2 gas



LL-CRSD series

Cleanroom door

Steel Door



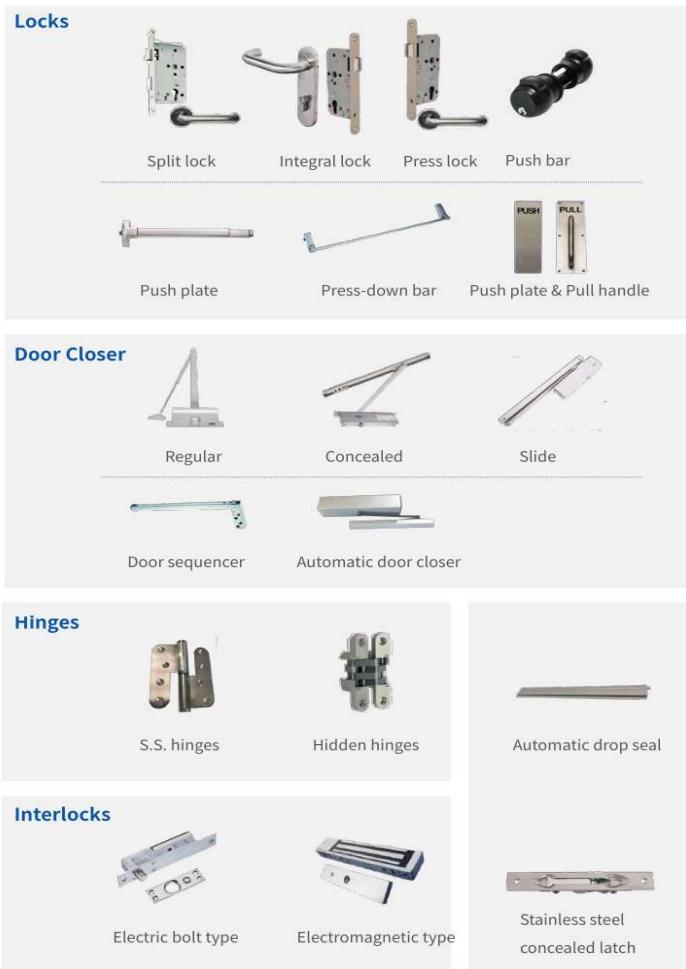
Structure Features

Galvanized steel plate bending and pressing together.
Three sides sealing with self styrofoam tape.
Automatic drop seal.
European quality
Customizable.

Parameters

Standard size	900*2100/1300*2100/1500*2100 (Door size customizable)
Door Frame Structure	Flat type / Clamp type (Door frame size customizable)
Door Frame	1.5mm Galvanized steel
Door Leaf	1.0/1.2mm Galvanized steel
Door leaf thickness	50mm
Insulation Material	Paper honeycomb/ Alu. honeycomb / Rockwool
Window on the door	Double layered with square or round corner Window Size: 500*800mm, customizable; Window Color: Black or White ; Glass: T=5mm tempered glass (can be fireproof); N2 gas and desiccant inside
Door Hardware	Lock: Split lock, Non-split lock, Press lock, Push bar lock etc. Hinge: SS304 lift-off type Door closer: Regular or Concealed (with or without positioner) Interlock: Electromagnetic type or electric bolt type
Door Seal	Automatic drop seal
Coating	Electrostatic spraying (color card available for choosing)

Door Hardware Selection



Steel Door Color Selection

Note: Due to different processing batches, the color of the Color selection is slightly different from the actual color.



Other Colors In RAL Is Also Available

HONOR CERTIFICATE



18 Patents



High-tech Enterprise Certificate



CE Certificate for HEPA Filter



Material Certificate



16 Inspection Reports



Safety Production Standardization
Certificate



Fire Resistance Certificate
for Door



Fire Resistance Certificate
for Panel



Fire Resistance Certificate
for Window



Quality Management
Certificate



Measurement Confirmation
Certificate



Suzhou Famous Brand Product
Certificate



Technology Enterprise
Certificate



Quality Management
System Certificate



Occupational Health And Safety
Management System Certificate



Environmental Management
System Certificate



Quality Management
Certificate



Top 10 Growing Companies



Three A Credit Rating



Clean Room Project Photo Reference



We Optimize Your Operating Facility
With Innovative Engineering Solution



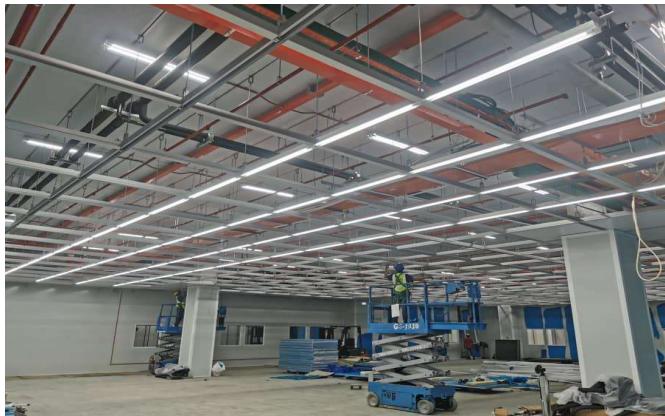
Project Site Photos - Cleanroom 10k Expansion Project



www.bse-tech.com



Project Site Photos - Cleanroom 10k Expansion Project



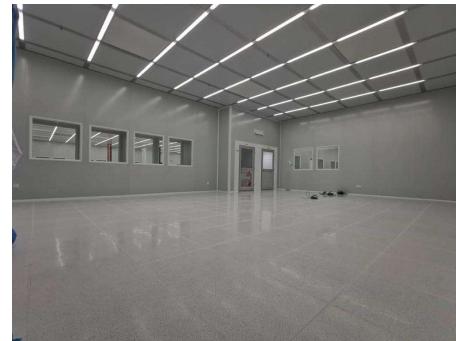
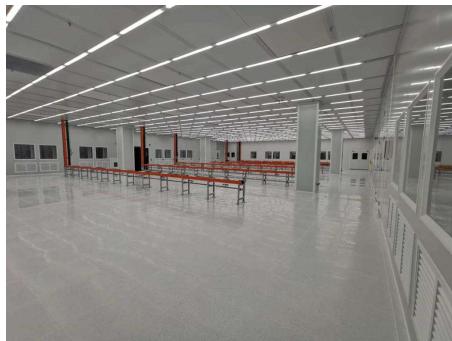


Project Site Photos - Cleanroom 10k Expansion Project





Project Site Photos - Cleanroom 10k Expansion Project



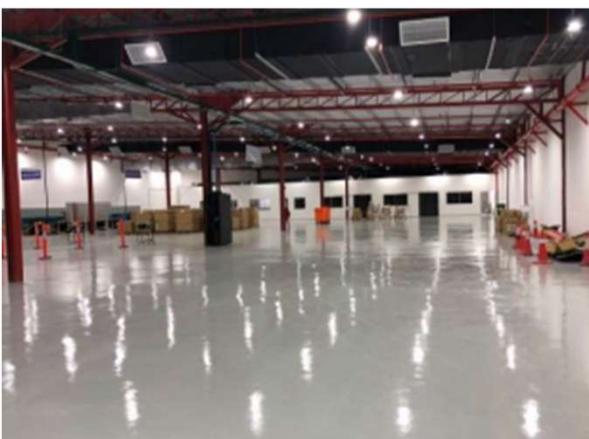


Project Site Photos - Cleanroom 10k Expansion Project



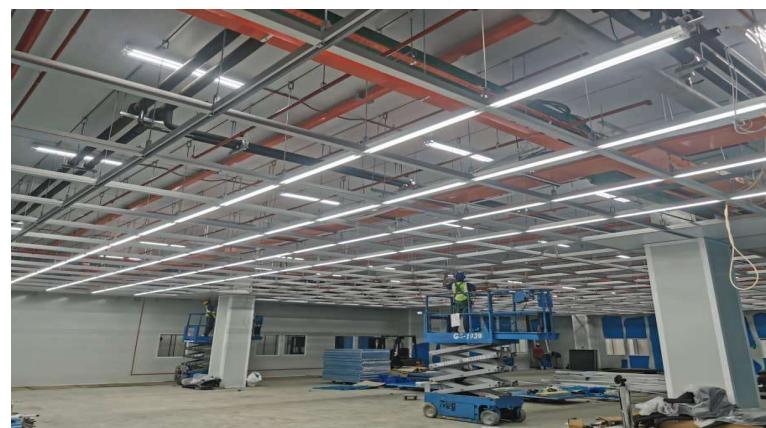


Project Site Photos





Project Site Photos



MAIN CUSTOMERS



PROJECT REFERENCE

Partial clients list only and no preference ranking



20 years of experience, MayAir emerged as recognized brand by Global 500 companies and recognized enterprises worldwide.





AFTER-SALES SERVICE

A large, semi-transparent blue number '6' is positioned in the upper right area of the background, partially overlapping the radiating lines.

Our Service Commitment

- ✓ BSE's commitment doesn't end when the machine starts running.
- ✓ We ensure your production line keeps performing at its best — safely, efficiently, and reliably.
- ✓ Our after-sales services are designed to minimize downtime and maximize productivity.

Scope of After-Sales Support

- 🛠 Installation & Commissioning Support – On-site technical assistance and fine-tuning.
- 🔍 Preventive Maintenance – Scheduled inspections to prevent unexpected breakdowns.
- 📋 System Calibration & Testing – Ensuring precision and performance after deployment.
- 📞 On-call Technical Assistance – Hotline and remote troubleshooting support.
- 🧠 Training for Operators & Engineers – Hands-on guidance to help your team run systems confidently.



Maintenance Programs

Standard Plan: Basic preventive maintenance and hotline support

Premium Plan: Priority response, spare parts coverage, and scheduled on-site visits

Customized Plan: Tailored maintenance according to production load and system complexity

Note: All plans include regular performance reports and improvement recommendations

Spare Parts & Upgrades

- Original spare parts for long-term reliability
- Fast response from our Vietnam and Malaysia service hubs
- Upgrade options for system expansion or new production requirements

Customer Value

- Reduce downtime and increase machine lifespan
- Ensure consistent product quality and productivity
- Gain peace of mind with dedicated local service teams
- Build a long-term partnership based on trust and support



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US**

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Thank
you