PT. SATYA UTAMA SUKSES

EMPOWERING INDUSTRIES WITH ADVANCED AUTOMATION SOLUTIONS

COMPANY PROFILE

www.satyautama.com

2023
FOUNDING YEAR

7
BUSINESS SECTORS

At Satya Utama Sukses, we excel in industrial automation, offering top-tier PLCs, powerful motors, hydraulic systems, advanced dust collectors pneumatic conveyors. Our innovative solutions optimize processes, enhance control, and uphold environmental standards, making us your trusted partner for seamless automation excellence.

Our Location

Ruko Permata Bintoro, Jl. Ketampon No.52-53
DR. Soetomo, Kec. Tegalsari, Surabaya Jawa Timur 60264

BUSINESS SECTOR

- Automation/IOT
- Motor/Gearbox
- Hydraulics Part & Filter
- Processing & Fuel Filtration
- Weighing Scale Product & Services
- Electrical & Control panel
- Engineering Services

PHOENIX CONTACT
HYDAC
JIE JDRIVE
BAYKON
Avery Weigh-Tronix
RADWAG
Thames Side

Every project has its own unique requirements. With our long-standing experience and track record as a partner and collaborator, and our extensive industry know-how, we comfortably serve various industries and markets.
We support you with our extensive portfolio of products, services, and solutions. Our innovative services provide the foundation for your sustainable, economic success.

PLCs (controllers) and I/Os

Work with your preferred programming languages, whether IEC_61131-3 or high-level languages such as C/C++, C#, or MATLAB® Simulink® in real time. Integrate open-source code and apps, or network with PLCnext Control via cloud connections.

Edge computing

PLCnext Control for edge computing combines the robustness of proven industrial PCs with the open PLCnext Technology ecosystem, thus providing the ability to develop intelligent IoT edge solutions.

HMI Touch and web panels

Efficient automation requires the right visualization. Our touch panels with integrated Visu+ runtime and web panels with open browser for HTML5 applications simplify the operation and monitoring of your automation solution.

Industrial communication

Consistent solutions with Industrial Ethernet, state-of-the-art wireless technologies, and cybersecurity increase the availability and security of the networked systems here. Network protocols and fieldbus systems such as PROFINET, OPC UA, PROFIBUS and INTERBUS ensure efficient communication.

DC/DC converters and DC/AC inverters

PLCnext Control for edge computing combines the robustness of proven industrial PCs with the open PLCnext Technology ecosystem, thus providing the ability to develop intelligent IoT edge solutions.

Device circuit breakers

Providing the ideal protection, our circuit breakers use various technologies: electronic, thermomagnetic, and thermal. Optimize your production process and minimize downtimes by using our overcurrent protection.

Power distributors

Three-phase DIN rail devices are mounted on the power distributor via Plug and Play and supplied via the integrated busbar. With this power distributor system, devices from power supplies all the way to hybrid motor starters can be snapped onto the busbar without requiring any tools or cables.

Protective relays

Our comprehensive portfolio of protection technology enables reliable grid availability in the voltage ranges of 10 kV to 110 kV. The protective and control devices can be used in, for example, single and double busbar applications, as well as radial, looped, and meshed grids.

Cloud Computing

Phoenix Contact provides simple and standardized Software-as-a-Service solutions on the Proficloud.io in the form of Smart Services that allow you to manage your devices intelligently, minimize downtimes, and increase availability thanks to cloud technology.

WEIGHING SCALE & SERVICES

01

Installation & Services

we offer installation and service of Floor scales, Bench Scales, Tank Scales, and Weighbridges. built to withstand the most extreme environments. As a critical part of our customers' operations, these solutions need to be accurate and reliable while ensuring high uptime and a long useful life.

02

Tera Metrology

the process of adjusting a scale to read zero when no load or the weight of a container or vessel used for weighing is placed on it. This is done to eliminate or compensate for the weight of the container or vessel so that only the net weight of the material being weighed is measured.

02

System Integration

we provide service to help customer integrate weighing system into their existing main system

BAYKON Avery Weigh-Tronix RADWAG® Thames Side

WEIGHING SCALE & SERVICES

Tank & Silo Scales

Weigh Modules enable you to convert your tanks, reactors and silos into an accurately scale. Make it more efficient and seamless with continuous integration with your ERP/SCADA systems

Load cell and weighing modules

weighing electronics

PLC,PC,DCS/Scada and ERP integration

Batching & Blending

we provides you professional solutions specifically designed for batching, blending and dosing systems to Increases Material Transfer Speed and Control and Improves Manufacturing Capacity and Quality

monitor and controls

Liquid filling and disharging modes

Powder filling and transfer modes

OUR PRODUCTS

Compact Scales

Bench Scales

Floor Scales

Barrel Scales

Crane Scales

Forklift Scales

Weighbridge

Automatic Checkweigher

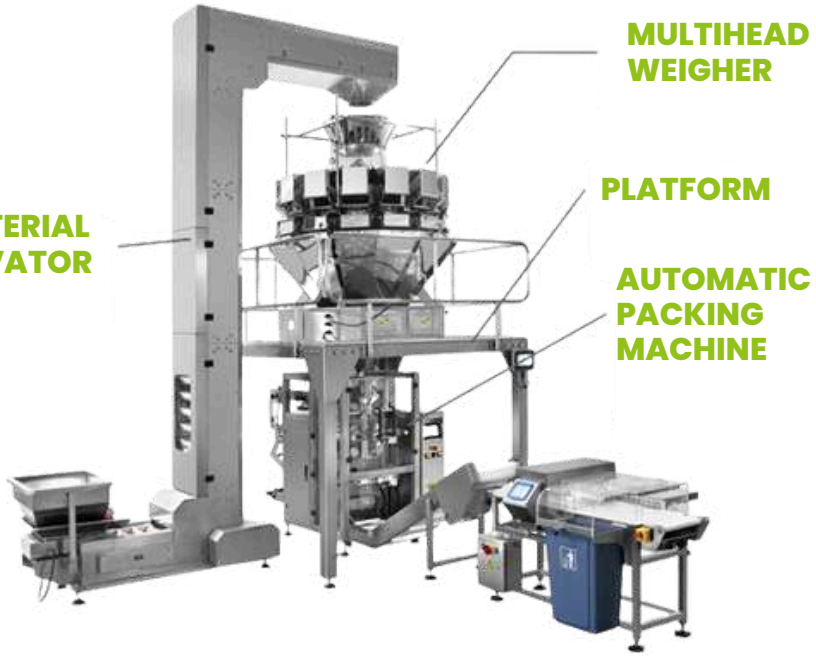
Weigh indicator

Load Cell

Load Cell Transmitter

Software Integration

SGWEIGH AUTOMATIC WEIGHING SYSTEM



OUR PRODUCTS

AUTOMATIC PACKING MACHINE

Packing speed: 10-50bagsperminute
Bag size: W:90-200mm,L:50-320mm
Max film width: 420mm
Film thickness: 0.04-0.09mm

MULTIHEAD WEIGHER

Weighing range: 10-1000g
Weighing speed: 30-80bags/min
Accuracy: +-0.5-2g Driver Method:
Stepper motor Interface: 7”HMI

WORKING PLATFORM

Material: SUS304
Height: 1600-2400mm
Size: 2100(L)*700(W)*2100(H)mm

METAL DETECTOR

Packing speed: 10-50bagsperminute
Bag size: W:90-200mm,L:50-320mm
Max film width: 420mm
Film thickness: 0.04-0.09mm

MATERIAL ELEVATOR

Z-shaped Material Hoist
Material: SUS304
Conveyor height: 200-3600mm

SGWEIGH

specializes in the production of checkweigher machines, digital metal detectors since 2010. The main products include Digital All-Metal Detector Machine, Aluminum Foil Packaging Metal Detector Machine, Checkweigher & Metal Detector Combo, Capsule Tablet Checkweigher, Rotary Check Weigher, Multi-Lane Checkweigher, Balance Grade Check Weigher.

Multi Line Check Weigher

Weighing Range: 1-50g
Minimum Scale: 0.01g
Sorting Speed: 70pcs/min (one channel)
Conveying Speed: 20-100m/min
Operation Method: Touch operation

Rotary Checkweigher

Weighing scope: 2-300g
Restrictions of product: Φ10-100 H:20-200(mm)
Accuracy: ±0.01g (Depends on products)
Division scale: 0.01g
Belt Speed: 0-50m/min
Highest speed: 60pcs/min,120pcs/min,180pcs/min

Bottle Checkweigher

Weighing scope: 2-300g
Restriction of product: L:100 W:100 H:2-150(mm)
Accuracy: ±0.01g(Depends on products)
Division scale: 0.01g
Highest speed: 450pcs/min

Capsule Checkweigher

Max throughput (30 lanes)230,000 capsules/h
Weigh range: 2-2000 mg
Scale interval: 0.1 mg

Checkweigher/labeler

Weighing range: 5-3000g
Product restrictions: L: 350 W: 300 H: above 3mm
Sorting accuracy: ±0.3-0.5g (depend om products)
Sorting value: 0.1g
Belt speed: 0-30m/min
Maximum speed: 30pcs/min

Food Metal Detector

Machine Grade: Food Grade
Detect method: Electromagnetic wave detection
Detecting width: 150-1000mm
Detecting height: 80-500mm (or custom-made)
Detecting sensitivity: Fe 0.8mm-1.2mm, Non-Fe 1.5mm-2mm, SUS 1.5mm- 2.5mm

Capsule Metal Detector

Feed port height and size: Height: 770-930mm Feed port size: 76mm
Effective passing size: W70*H20mm
Maximum production capacity: 500,000 pcs/hour

Liquid Metal Detector

Tube inner diameter: 80/100/150/200
Detection sensitivity: Fe (Φ)-0.6/0.8/1.0/1.0
SUS304 (Φ): 1.2/1.5/1.5/2.0
Pipeline flow (t/h): 2/4/8/15

HYDAC is a German company group that specializes in the production and distribution of components and systems as well as services related to hydraulics and fluidics. HYDAC provides fluid power solutions to OEM's, manufacturers and end users of a variety of heavy duty mobile and industrial equipment. These solutions increase the efficiency, longevity and safety of fluid power systems – even under extreme conditions.

Process filter

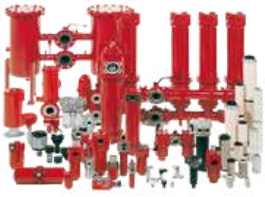
In process technology our automated back-flushing filters of the HYDAC AutoFilt® series have been highly successful. Their design is not only flow-optimised but also flexible, so they can conveniently be installed in both existing and new systems.

Diesel Fuel Filter

The LowViscosity-Housing Filter LVH-F and Coalescer LVH-C are used to filter and to dewater low-viscosity fluids. Available in various sizes and different designs (vertically or horizontally), the filters can be optimally integrated into new or existing systems.

Hydraulic Acumulator

ROBUST AND VERSATILE: Wherever hydraulic tasks need to be performed, HYDAC hydraulic accumulators can help. They are versatile, make your machine more convenient to use, secure your hydraulic system and are used to increase the energy efficiency of hydraulic systems and for many other tasks.



Hydraulic Filter

HYDAC produces various types of hydraulic filters designed to remove contaminants from hydraulic fluid, ensuring the cleanliness and efficiency of the system.

Condition Monitoring

Condition monitoring refers to the process of monitoring the health and performance of machinery, equipment, or systems in real-time or periodically to detect any deviations from normal operating conditions.

Hydraulic System

We design, construct and build hydraulic aggregates, complete systems and sub-systems by means of our own design and production facilities.

Hydraulic Pumps

HYDAC supplies a broad spectrum of pumps for a large number of hydraulic applications and systems. Our pumps are used in many industries worldwide.

Cooling System

HYDAC has a wide range of cooling systems including air cooling, water cooling or compressor cooling to provide you with the optimum cooling solution that meets your requirements in terms of installation space, noise levels, control accuracy or maintenance requirements.

Valves

Whether it's directional spool, directional poppet, pressure, flow control or check valves, as cartridge, slip-in, manifold-mounted, sandwich plates or pipe valve – we have the right valve for your system.

ELECTRICAL & CONTROL PANEL

We provide complete electrical and control system, including assembly, instalation and maintenance. Our highlighted product are Capasitor Bank, Auto Transfer Switch(ATS) panel, PLC/Control Panel, PV Combiner, and any other panel as requested.

Capacitor Bank

A capacitor bank is a system consisting of several capacitors connected in series or parallel to form an energy storage system. This system helps in correcting the power factor lag and phase shift in an AC power supply, thus increasing the efficiency of electrical energy transfer.

Panel ATS

Automatic transfer switch assemblies provide a reliable means of transferring essential load connections between primary and alternate sources of electrical power. Data centers, hospitals, factories and a wide range of other facility types that require continuous or near-continuous uptime typically utilize an emergency (alternate) power source such as a generator or a backup utility feed when their normal (primary) power source becomes unavailable.

Panel LVMDP

The LVMDP panel works at low voltage and functions as the main power distributor to all electrical installations within a building. The LVMDP panel acts as the primary power control after the step down transformator in the building (office, warehouse, apartment, hotel, workshop, factory, or house).

Panel Kontrol/PLC

The PLC panel contains industrial computers designed to withstand heavy working conditions. PLCs are commonly used in assembly industries, machinery, and robot applications that require reliability, ease of configuration, and diagnosis.

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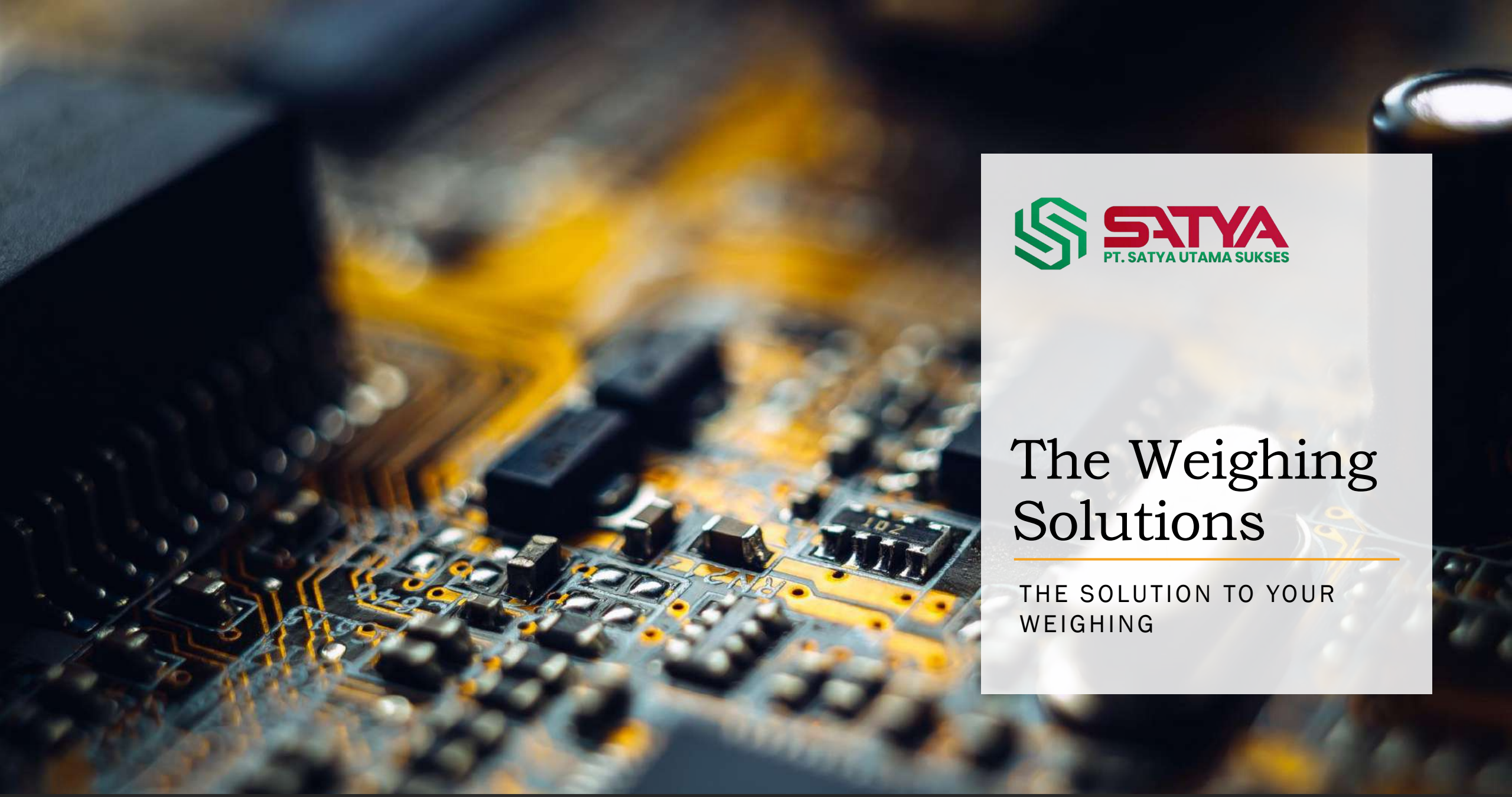

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The Weighing Solutions

THE SOLUTION TO YOUR WEIGHING

PT. SATYA UTAMA SUKSES

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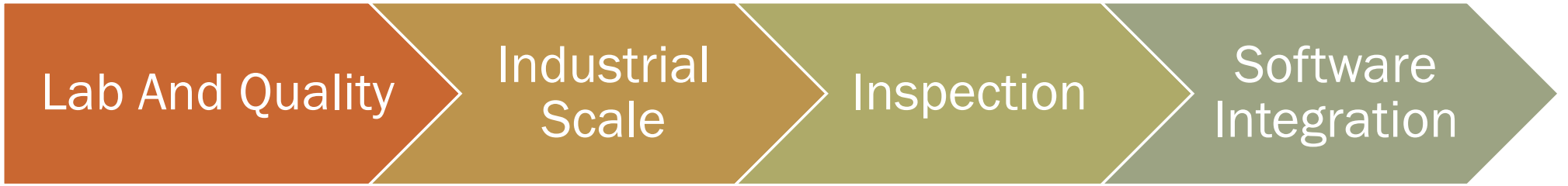

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Industry Main Segment and Application

Chemical

- Weighing
- Formulation
- Batching
- Filling/Dosing
- Quality Control
- Data Management
- Identification

Pharma

- Weighing
- Formulation
- Batching
- Filling/Dosing
- Quality Control
- Data Management
- Identification

Food

- Weighing
- Formulation
- Batching
- Filling/Dosing
- Quality Control
- Data Management
- Identification

Manufacturing

- Weighing
- Formulation
- Batching
- Filling/Dosing
- Quality Control
- Data Management
- Identification
- Counting

Vehicle Weighing

- Weighing
- Data Management
- Identification

RADWAG

MADE IN POLAND

SGWEIGH

MADE IN CHINA

Thames Side

MADE IN UK

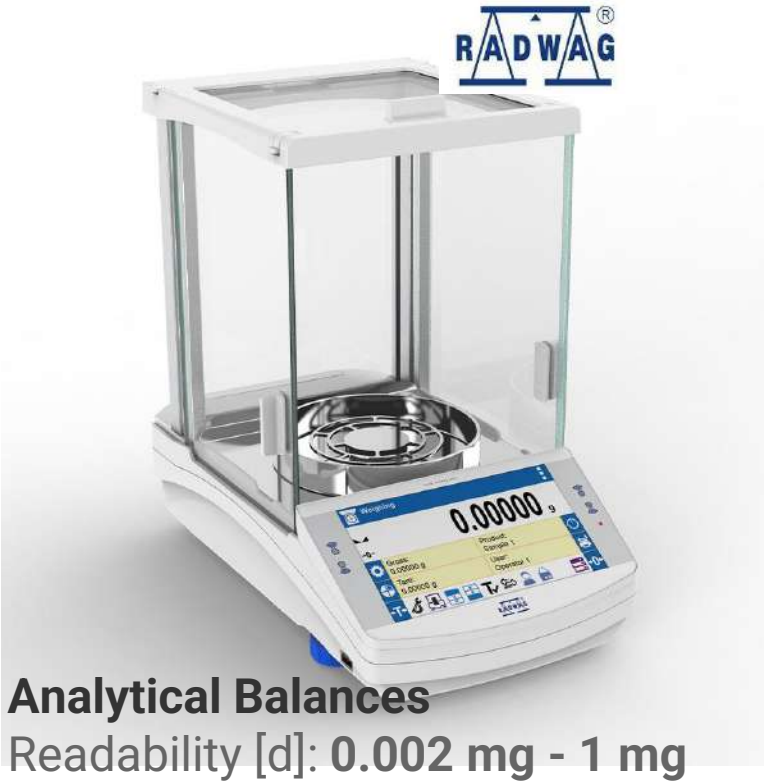
BAYKON
Industrial Weighing Systems

MADE IN TURKEY

Lab and Quality

Ultra-Microbalances
Readability [d]: **0.1 µg**
Maximum capacity [Max]: **2.1 g - 6.1 g**

Microbalances
Readability [d]: **1 µg - 10 µg**
Maximum capacity [Max]: **0.8 g - 53 g**



Analytical Balances
Readability [d]: **0.002 mg - 1 mg**
Maximum capacity [Max]: **41 g - 3100g**

Lab and Quality

Precision Balances
Readability [d]: **1 mg - 2 g**
Maximum capacity [Max]: **200 g - 120 kg**

Moisture Analyzers
Readability [d]: **0.1 mg - 1 mg**
Maximum capacity [Max]: **50 g - 210 g**

Industrial Scale

HRP High Resolution Scales
Readability [d]: **0.02 g - 100 g**
Maximum capacity [Max]: **10 kg - 2000 kg**

Platform Scales
Readability [d]: **0.2 g - 100 g**
Maximum capacity [Max]: **0.6 kg - 300 kg**

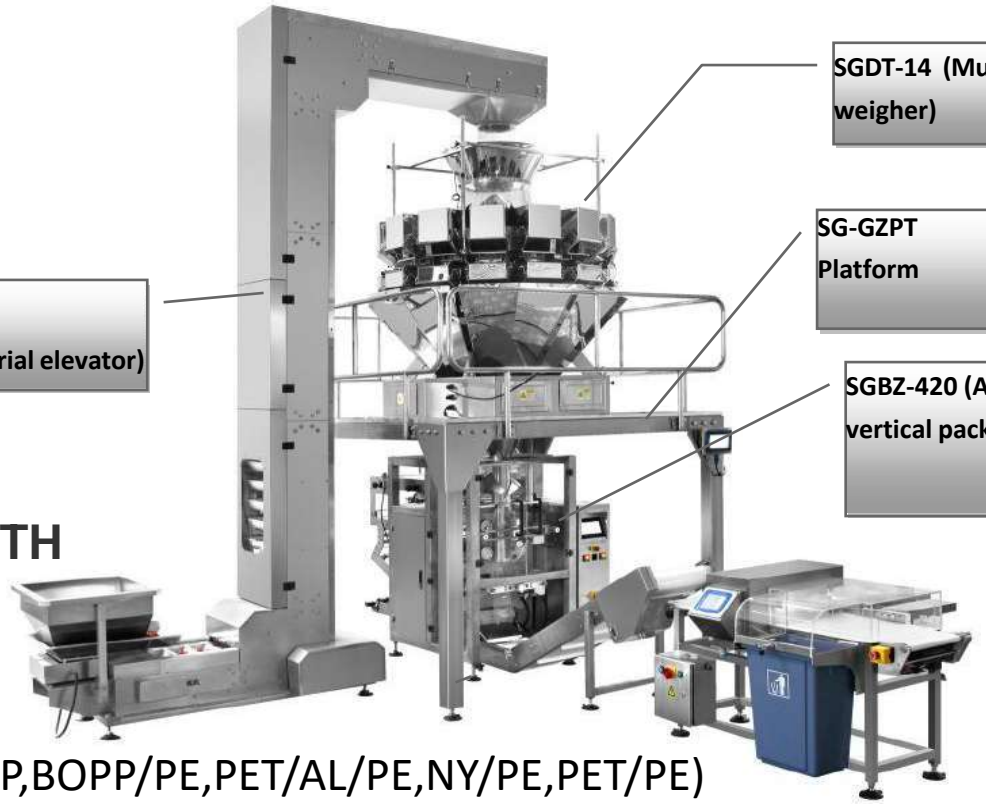
4 Load Cell Floor-scales
Readability [d]: **0.02 kg - 2 kg**
Maximum capacity [Max]: **1500 g - 6000 kg**

Industrial Scale

Pallet and Beam Scales
Readability [d]: **200 g - 2000 g**
Maximum capacity [Max]: **600 kg - 6000 kg**

Postal Scales
Readability [d]: **20 g**
Maximum capacity [Max]: **60 kg**

Industrial Scale



SGBZ-420
VERTICAL AUTOMATIC PACKAGER WITH 14-HEAD WEIGHER

- Packing speed (10-50 bags/min)
- Bag size (W:90-200mm L:80-320mm)
- Pouch material (BOPP/CPP,BOPP/VMCPP,BOPP/PE,PET/AL/PE,NY/PE,PET/PE)

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Industrial Scale

Tank Scale & Hopper Solution (5kg – 5000kg)

Thames Side

LA66 Anti-Vibration Assembly (5kg - 300kg)

LeverMount® Lite (5kg - 200kg)

LA66 Tension (5kg - 300kg)

LA85 Anti-Vibration Assembly (300kg - 10,000kg)

LeverMount® (300kg - 5,000kg)

T20 Compression Assembly (1,000kg to 5,000kg)

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Industrial Scale

Tank Scale & Hopper Solution (5000kg – 50.000kg)

Thames Side

MasterMount® (5,000kg - 30,000kg)

T95 'Pendulum' Assembly (5,000kg - 10,000kg)

T20 Compression Assembly (5,000kg - 30,000kg)

VC3500 (30,000kg - 50,000kg)

T34 Silo Mount Assembly (10,000kg - 50,000kg)

Discontinued Weighing Assemblies up to 50,000kg

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Industrial Scale

Silo Solution (50.000kg – 200.000kg)

Thames Side

VC3500 (50,000kg - 200,000kg)

T30 Weighing Assembly
(100,000kg - 200,000kg)

T34 Silo Mount Assembly
(60,000kg - 200,000kg)

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Industrial Scale

Weighing Terminal

BAYKON
Industrial Weighing Systems

Weighing Transmitters

Dynamic Weighing, Tank Weighing, Process Control, Force Measurements, Dosing System etc. transmitters...

Weighing Indicators

Indicators for Portioning, Weight Catching, Totalizing, Tank Weighing, Truck Scale, Weight Catching etc...

Exproof Weighing Indicators

Classification, Labelling, Totalization, Dynamic Weighing, Tank Weighing, Truck Scale etc. indicators...

Weighing Controllers

Tin Filling, Barrel Filling, Bagging, Bigbag Filling, Tank Filling / Unloading, Tumba Scale etc. controllers...

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Industrial Scale

Truck Scale

Silver Lake Weighing Tech

Dimension W × L(m)	Module Qty	Model				
		VTS201-40	VTS201-50	VTS201-60	VTS201-80	VTS201-100
		VTS202-40	VTS202-50	VTS202-60	VTS202-80	VTS202-100
3×9	2	★				
3×10	2	★				
3×11.6	2	★	★	★		
3×15	3		★	★	★	★
3×15.8	3		★	★	★	★
3×17.4	3		★	★	★	★
3×20	4				★	★
Max.Capacity(t)		40	50	60	80	100
Internal(kg)		10	20	20	20	50
Axle Load(t)		20	25	25	40	40
Accuracy Class				Ⅲ		
Working Temperature		Weighing Indicator		-10℃~+40℃		
		Scale & Load Cell		-30℃~+65℃		
Relative Humidity		≤95% non condensable				
Power Supply		220VAC(-15% ~ +10%)/50 ± 1Hz				

Inspection

SG-150H
Readability [d]: **0.1 g**
Maximum capacity : **3-500g**
Highest Speed : 250pcs/min
Belt Width : 150mm

SG-150HH
Readability [d]: **0.1 g**
Maximum capacity : **3-500g**
Highest Speed : 450pcs/min
Belt Width : 150mm

Inspection

SG-300U
Readability [d]: **0.1 g**
Maximum capacity : **5-3000g**
Highest Speed : 80pcs/min
Belt Width : 300mm

SG-400
Readability [d]: **1 g**
Maximum capacity : **100-10000g**
Highest Speed : 50pcs/min
Belt Width : 400mm

Inspection

SG-450
Readability [d]: **1 g**
Maximum capacity : **0.05 – 25kg**
Highest Speed : 40pcs/min
Belt Width : 450mm

SG-600
Readability [d]: **1 g**
Maximum capacity : **0.05 – 25kg**
Highest Speed : 30pcs/min
Belt Width : 600mm

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Inspection

SG-JS150 (Combo CW&MD)
Readability [d]: **0.1 g**
Maximum capacity : **5 – 500g**
Conveyor Speed : 25m/min
Effective hole detection level : 100-200m

SGWEIGH

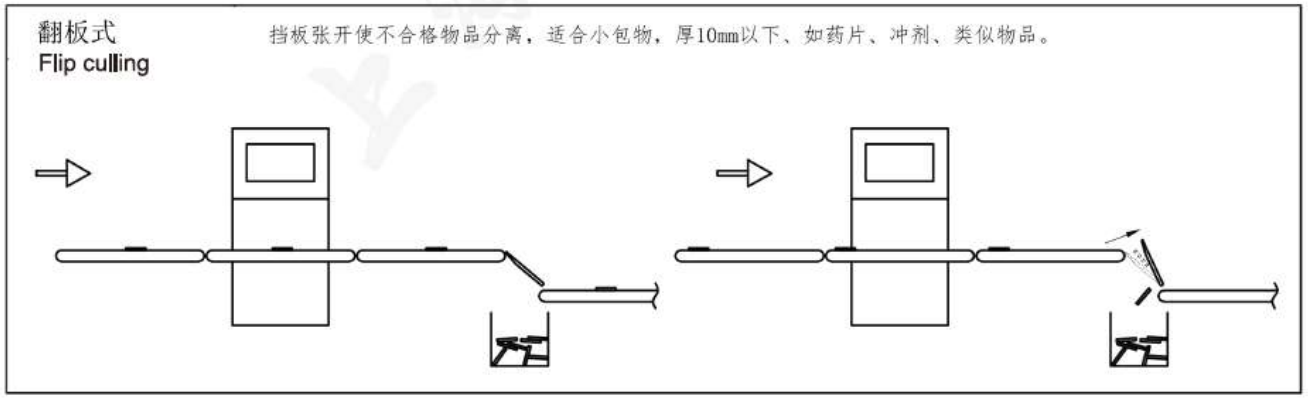
SG-JH-400 (Aluminum Foil Packaging Detector)
Detection Height : **30mm-150mm**
Maximum capacity : **3 – 5kg**
Belt Speed : 10-60m/min

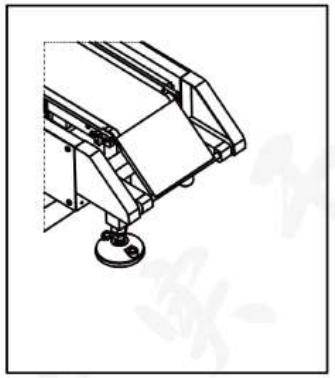
Inspection

Common Rejection Methods

翻板式
Flip culling

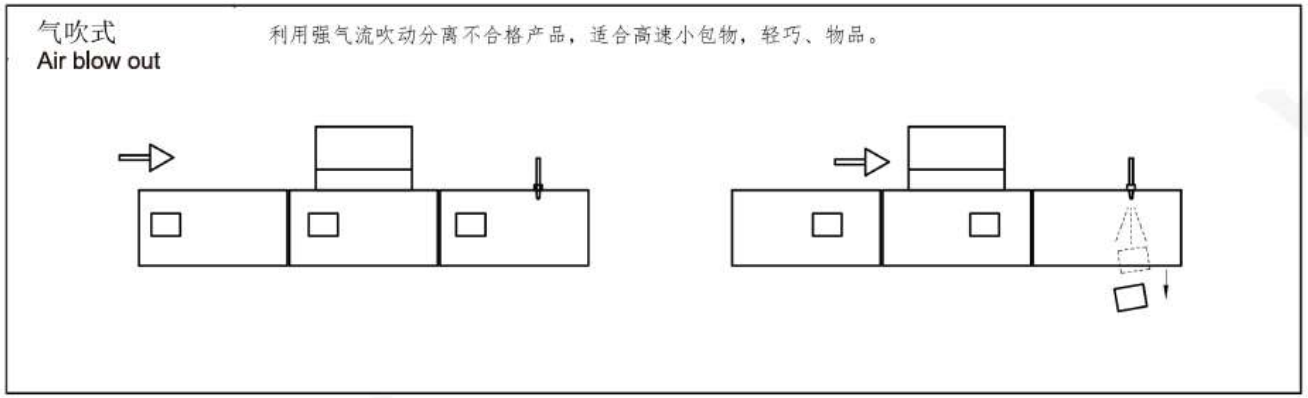
挡板张开使不合格物品分离，适合小包物，厚10mm以下、如药片、冲剂、类似物品。

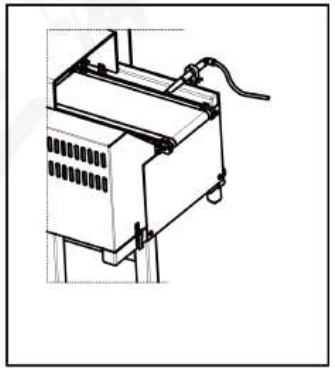




气吹式
Air blow out

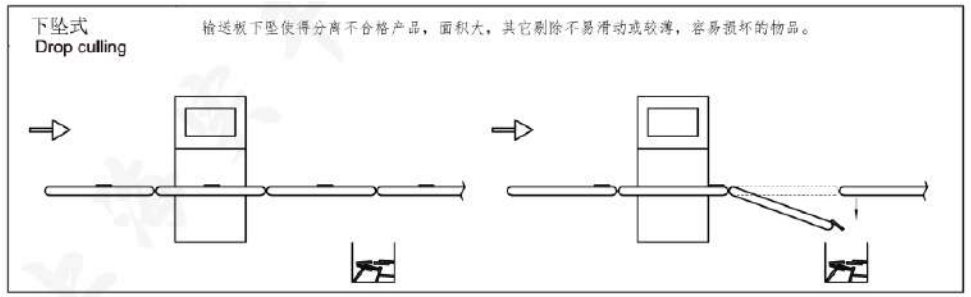
利用强气流吹动分离不合格产品，适合高速小包物，轻巧、物品。

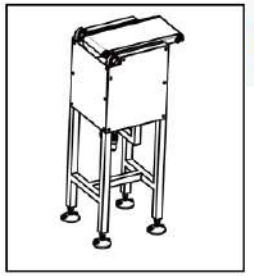


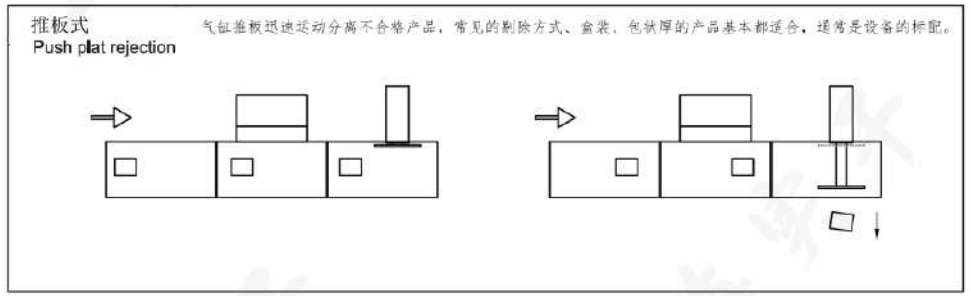


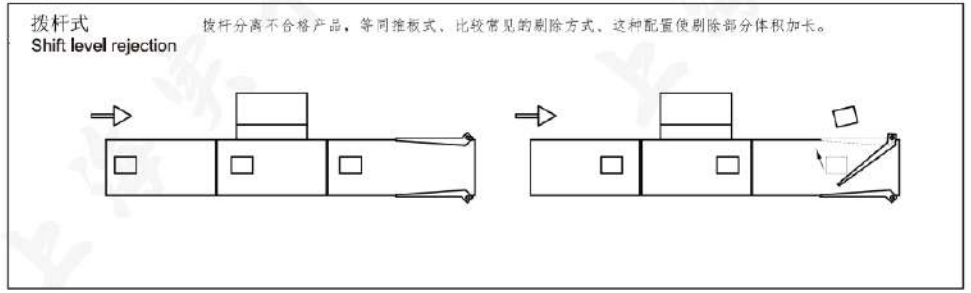
Inspection

Common Rejection Methods









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Inspection

SG-M400 (Metal Detector)

SGWEIGH

型号 Type	数字式全金属检测机 Digital All-metal Detector Machine （尺寸规格可根据要求定制Accept custom）		
检测灵敏度 Detection sensitivity	空机状态下 Empty state 高（H）100mm:铁 Fe≥φ0.8mm，非铁Non-Fe≥φ1.5mm，不锈钢 SUS≥φ1.5mm 高（H）120mm 铁 Fe≥φ0.8mm，非铁Non-Fe≥φ1.5mm，不锈钢 sus≥φ2.0mm 高（H）150mm 铁 Fe≥φ1.0mm，非铁Non-Fe≥φ1.5mm，不锈钢 sus≥φ2.0mm 高（H)200mm 铁 Fe≥φ1.2mm，非铁Non-Fe≥φ2.0mm，不锈钢 sus≥φ2.5mm		
有效检测孔宽度 Effective hole width detection:	150-1000mm 根据要求定制（Accept custom）		
有效检测孔高度 Effective hole detection level:	80-500mm 根据要求定制（Accept custom）		
传送带最大速度 Conveyor belt, maximum speed:	25m/min	传送带材质: Material for conveyor belt	食品级 PU 带 Food grade PU belt
防护等级 Protection grade:	IP65		
显示及操作方式 Display and operation mode:	LED 液晶平面按键输入 LED flat key input		
机器自重 Deadweight of Machine:	≈120Kg		
电源要求 Power supply requirements:	AC 220V 50Hz		
功 率 Power:	≈200w		
报警方式 Alarm way:	检测到金属，报警皮带停止或自动剔除 Alarm and belt stop, or automatically reject.		
外形尺寸 Overall dimensions:	About L1500XW850XH950mm 最终按照设计图为准 (Design drawing prevail)		

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Software Integration

Production Efficiency Example

- Memantau kualitas berat porsi dari waktu ke waktu
- Menampilkan jumlah paket yang di luar batas toleransi
- Tampilkan status keseluruhan, telusuri per line produksi

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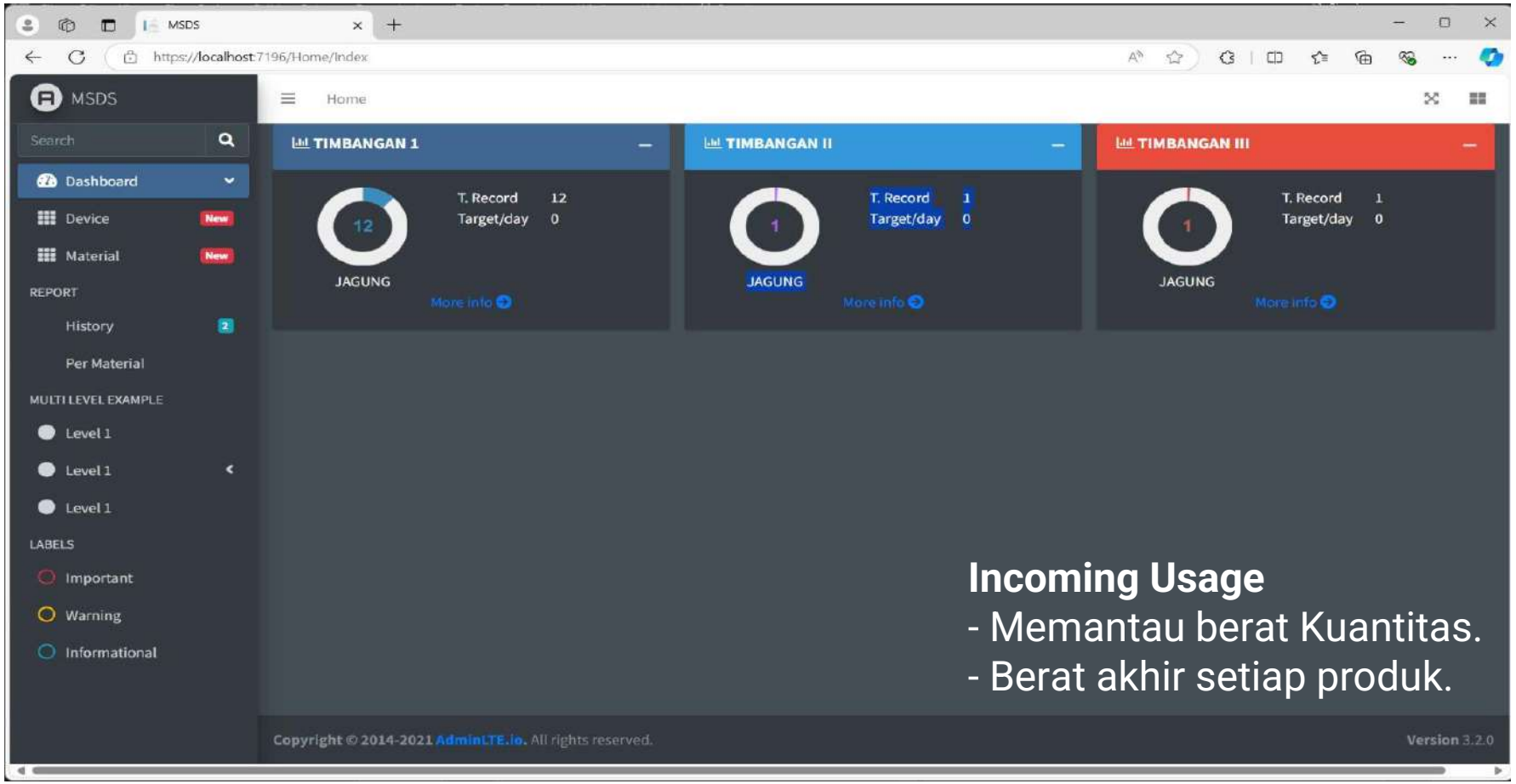
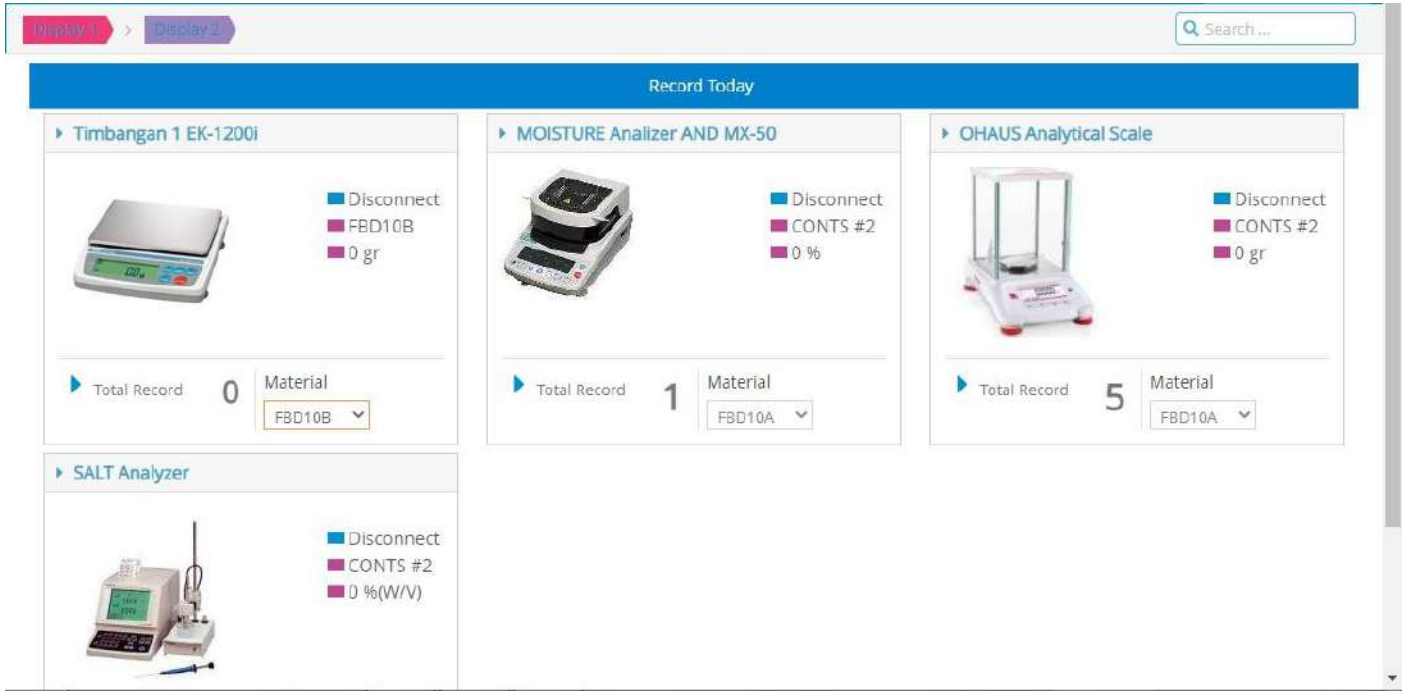
Software Integration



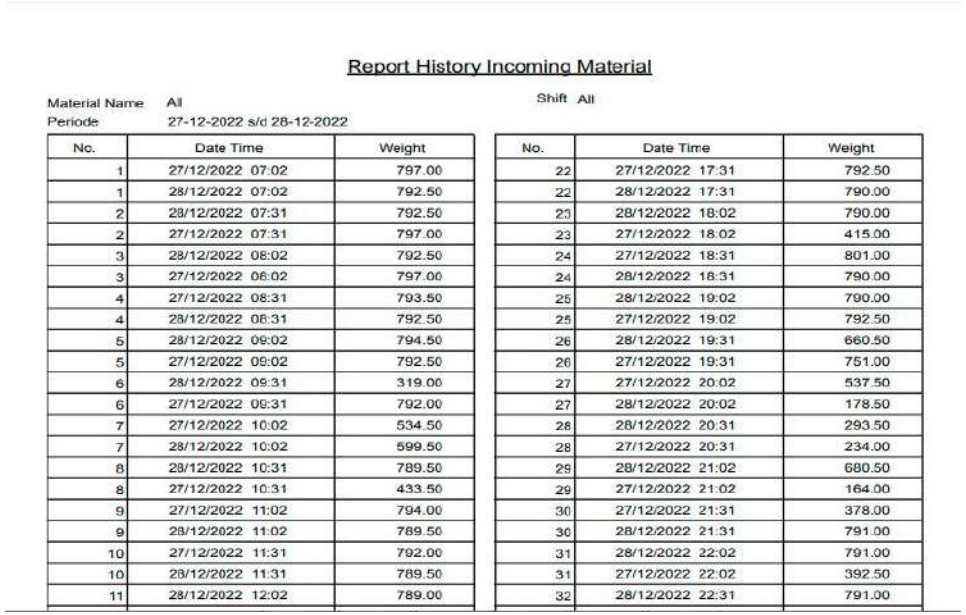
Software Integration



Device condition

- Pemantauan kondisi
- Berat akhir setiap produk.
- Perhitungan kuantitas

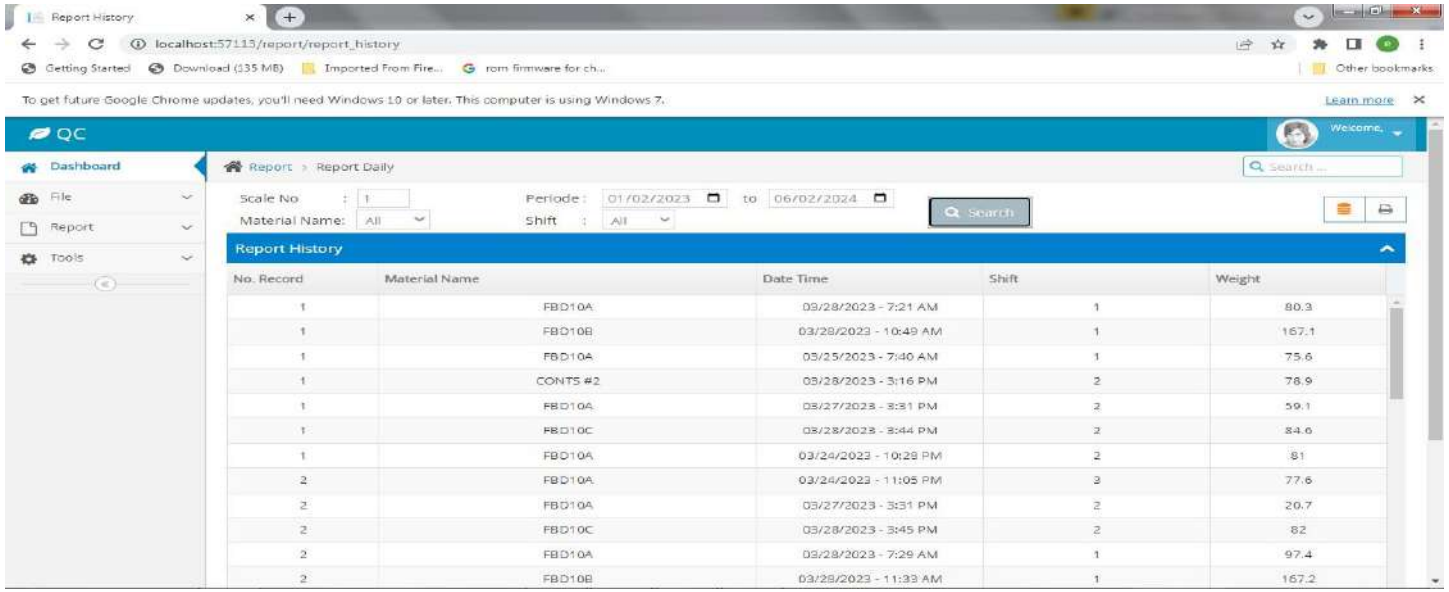
Software Integration



Report History Incoming Material

Material Name All Shift All
Periode 27-12-2022 s/d 28-12-2022

No.	Date Time	Weight	No.	Date Time	Weight
1	27/12/2022 07:02	797.00	22	27/12/2022 17:31	792.50
1	28/12/2022 07:02	792.50	22	28/12/2022 17:31	790.00
2	28/12/2022 07:31	792.50	23	28/12/2022 18:02	790.00
2	27/12/2022 07:31	797.00	23	27/12/2022 18:02	415.00
3	28/12/2022 08:02	792.50	24	27/12/2022 18:31	801.00
3	27/12/2022 08:02	797.00	24	28/12/2022 18:31	790.00
4	27/12/2022 08:31	793.50	25	28/12/2022 19:02	790.00
4	28/12/2022 08:31	792.50	25	27/12/2022 19:02	792.50
5	28/12/2022 09:02	794.50	26	28/12/2022 19:31	660.50
5	27/12/2022 09:02	792.50	26	27/12/2022 19:31	751.00
6	28/12/2022 09:31	319.00	27	27/12/2022 20:02	537.50
6	27/12/2022 09:31	792.00	27	28/12/2022 20:02	178.50
7	27/12/2022 10:02	534.50	28	28/12/2022 20:31	293.50
7	28/12/2022 10:02	599.50	28	27/12/2022 20:31	234.00
8	28/12/2022 10:31	789.50	29	28/12/2022 21:02	680.50
8	27/12/2022 10:31	433.50	29	27/12/2022 21:02	164.00
9	27/12/2022 11:02	794.00	30	27/12/2022 21:31	378.00
9	28/12/2022 11:02	789.50	30	28/12/2022 21:31	791.00
10	27/12/2022 11:31	792.00	31	28/12/2022 22:02	791.00
10	28/12/2022 11:31	789.50	31	27/12/2022 22:02	392.50
11	28/12/2022 12:02	789.00	32	28/12/2022 22:31	791.00



Publish and Reporting Data

- Waktu nyata untuk melaporkan atau mempublikasikan data
- Pelaporan yang disesuaikan.
- Format Data yang Fleksibel

Terima Kasih

SATYA
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