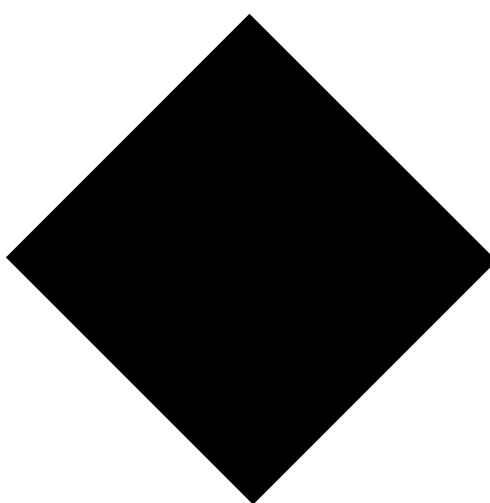


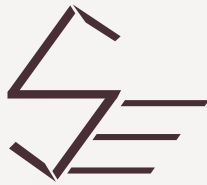


SUZUKI ELECTRONICS

PROCESS CONTROL & WEIGHING TECHNOLOGIES

SINCE 1996





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SINCE 1996



PLANT
PROCESS
AUTOMATIONS &
INSTRUMENT
CONTROLS

CHEMICALS INDUSTRIES | PETROCHEMICAL INDUSTRIES | PHARMACEUTICAL INDUSTRY



SUZUKI ELECTRONICS

PROCESS CONTROL & WEIGHING TECHNOLOGIES

SINCE 1996



कर्मण्येवाधिकारस्ते
मा फलेषु कदाचन ।
मा कर्मफलहेतुर्भुर्मा
ते संगोडस्त्वकर्मणि ।

Bhagavad Gita, Chapter 2, Verse : 47

“SUZUKI” Established in 1996 Believes in Making a New Innovations (MAKE IN INDIA) has a Manufacturing and Service Setup in Gujarat Industrial Development Estate (GIDC) Makarpura, Vadodara at Gujarat in India. We Work in Different Verticals Like Industrial Weighing Solutions, Process Industry (with Siemens / Schneider), Industrial Control Valves. We Provide Supply and Services to Chemicals Industries, Petro-Chemicals Industries, Pharmaceutical Industry as well Extend our Support for the Designing Equipment's OEM.

We are authorized Sales / Service provider for **"Thames-Side"** a loadcell manufacturing company having production unit at Barcelona-Spain & Office in India at Mumbai.

We have Experienced Team for Supply and Commissioning Weighing Instruments Range from 10 Mg to 100 Tons. With Multiple Sub-Verticals.

- **Advance PLC Based “SIEMENS/Schneider/Delta” Batching & Conveying Systems**
- **Smart Electronics Weighbridges (Till 100 tons) with SOFTWARE,CAMERA, ERP, SAP support**
- **Silo Weighing System (Till 600 Tons.)**
- **Tank Weighing System (Till 50 Ton)**
- **Semi-Automatic Drum Filling Station (Till 2000 Kg)**
- **Process Weighing Terminals Indicator**
- **Material conveying Systems and Control Process**
- **"Thames-Side" Loadcell (till 1000 Tons) & Accessories**

We have Dedicated Team which Cares for the Process Industry. A Team Delivers the Solution by Means of Selection, Procurement & Commissioning of Process Instrumentation, Designing Data Communication Prophecy, Control Valves, Electrical Architecture Suitable to Process.

We Believe to be a Observant always when it comes to Understand or Develop a new Concept with Human Safety as a Priority Protocol for Design. We look forward for mutually beneficial business association.

Crane Scale

“SUZUKI” Crane weighing system . Systems are manufactured by our dexterous professionals selecting the best engineered for vertical weighing applications. Design with wired and wireless (Upto 100 meter) infrared remote controller Operations.

Crane scales are likely to present very accurate precise results, good readability of values and sufficient level of protection during overhead weighing or when it comes to overweight.

Few Applications Like:

- Steel, Waste metal, Metal wire reel, Steel pipes Industries.
- Construction, Aerospace Industry.
- High temperature ladle weighing system.

SELECTION TABLE		
MODEL	CAPACITY	LEAST COUNT
SUC - 1 HH	1000 kg	0.2 / 0.5 Kg
SUC - 2 HH	2000 kg	0.2 / 0.5 Kg
SUC - 5 HH	3000/5000 kg	1.0 Kg
SUC -10 HH	10000 kg	1.0 / 2.0 kg
SUC -15 HH	15000 kg	2.0 / 5.0 kg
SUC -20 HH	20000 kg	5.0 / 10.0 kg
SUC -30 HH	30000 kg	10.0 kg

DISTANCE BETWEEN SCALE & HEAT SOURCE	
TEMPERATURE	SAFE DISTANCE
1000 degree Celsius	1200 mm
1200 degree Celsius	1500 mm
1400 degree Celsius	1800 mm
1600 degree Celsius	2000 mm



Lab Scale

We (A&D-Japan) provide reliable solution for different variety of the laboratory weighing scales suitable to lab applications.

Application

- Research & Development Lab .
- Jewelry Shop.
- Till 600gm x 10 mg to 6100gm x 100 mg. (EJ610 series model.)
- Till 500 gm x 1 mg to 5000 gm x 10 mg (FZ-i/FX-I series model.)
- Till 1100 gm x 1 mg to 8100 gm x 10 mg (GX/GF series model.)
- Till 320 gm x 0.1 mg to 1620 gm x 1 mg (GX-ae_gf-a series model)
- Till 71 gm x 0.1 mg (MS-70 series model-moisture analyzer)



Table Top Weighing Modules

A rugged design for the industrial weighing applications, retail markets equipped with the smart technology with best performance and reliability.

FEATURES

- Smart ADC module with 1,00,000 internal resolution enables reliable performance.
- Auto zero tracking, Selectable digital filter, Kg/Liter conversion.
- 7 Segment bright Red / Green led display.
- Battery supervision module/Stand by mode for long battery backup (Battery saving).
- Fast Stabilization period ≤ 1.0 Sec
- AC 230v+/-10V, 50Hz, power consumption 12-15 Watt.
- Operating Temperature : 10°C to 60°C
- Safe Overload Upto 200% of rated capacity.

OPTIONAL

- Soak & Wash Weighing module.
- RS-232 serial output / Printer Interface.
- Dualrotational display.
- Battery backup span from 6hrs to 5000 hrs.(As per selected model)
- Take Away check weighing features.
- Bright and multi color 5 step led comparator lights (As per selected model.)

PRODUCT SELECTION CHART

MODEL	CAPACITY	LEAST COUNT	PAN SIZE
STS-1A	1.2 kg	10 mg	150 mm Dia.
STS-1	1 kg	0.1 gram	170 x 170 mm
STS-2A	2 kg	0.1 Gram	170 x 170 mm
STS-2	2 kg	0.2 Gram	170 x 170 mm
STS-5A	5 kg	0.2 Gram	170 x 170 mm
STS-5	5 Kg	0.5 Gram	170 x 170 mm 300 x 230 mm
STS-10A	10 kg	0.1 Gram	170 x 170 mm
STS-10	10 kg	1 Gram	170 x 170 mm 300 x 230 mm
ES-15K	15 kg	0.1 Gram	300 x 210 mm
STS-20A	20 Kg	0.2 Gram	170 x 170 mm
STS-20	20 kg	2 Gram	170 x 170 mm 300 x 230 mm
ES-30KV	30 kg	0.2 Gram	300 X 210 mm
STS-30A	30 kg	2 Gram	300 x 230 mm
STS-30B	30 kg	5 Gram	300 x 230 mm



STS - WP



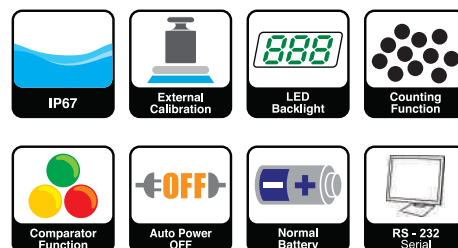
STS - DT



STS - DST



STS - SP



Platform & Dormant Scale

SUZUKI" Single & Multi point platform weighing system is engineered with state of art ensuring the best performance during each weighing.

- **Industrial Weighing Options for Dust proof Weighing indicator, Flame Proof Weighing indicator, Atex Weighing Indicator.**
- **High-quality Alloy Steel, Stainless steel loadcell supported with IP 65, IP 67, IP 68, IP 69K ratings specifically marked for the core industrial usage, Atex Certification, dust zone 20, 21 & 22.**
- **System designed with advanced user selectable output for PLC controls, 485 modbus, TCP/IP ethernet, 4-20mA, 0-20mA, 0-5Vdc, 0-10VDC**

TYPICAL APPLICATIONS

- Bagging, filling and dosing systems
- Chemical & Pharmaceutical Industries.
- Food, beverages, Steel, Plastic, Cement Industries, Retail Market
- Small buckets and hoppers, Jumbo Bag / IBC filling, Coil Weighing System

Note : Weighing platform dimensions & Material of construction can be selected & designed as per the client request.

PRODUCT SELECTION CHART

MODEL	CAPACITY	LEAST COUNT	PAN SIZE
SPS - 50	50KG	5 GM	400 X 400 (SS TOP PAN)
	50 KG	5 GM	500 X 500 (SS TOP PAN)
SPS - 100	100 KG	10 GM	500 X 500 (SS TOP PAN)
	100 KG	10 GM	600 X 600 (SS TOP PAN)
SPS - 200	200 KG	20 GM	500 X 500 (SS TOP PAN)
	200 KG	20 GM	600 X 600 (SS TOP PAN)
SPS - 300	300 KG	50 GM	600 X 600 (SS / MS TOP PAN)
	300 KG	50 GM	750 X 750 (MS TOP PAN)
SPS - 500	500 KG	50 GM	750 X 750 (MS TOP PAN)
SPS - 1000	1000 KG	100 GM	900 X 900 (MS TOP PAN)
	1000 KG	200 GM	1200 X 1200 (MS TOP PAN)
SPS - 2000	2000 KG	200 GM	1200 X 1200 (MS TOP PAN)
SPS - 3000	3000 KG	500 GM	1500 X 1500 (MS TOP PAN)
SPS - 5000	5000 KG	1000 GM	1500 X 1500 (MS TOP PAN)
	5000 KG	1000 GM	1800 X 1800 (MS TOP PAN)



Barrel Weighing System



Gas Filling & Discharging Weighing System



Variety of Weighing Platform



Flame Proof Weighing Indicators



IBC Pallette Weighing System



Tank Weighing

"SUZUKI" Design tank weighing systems are used for measuring different aspects in industries which would be like materials storage, material transfer, batching. During process material is mixed, blended or batched, linked to **DCS , PLC** for further process controls. Tank Weighing System is designed to operate as **Gain in weight** as well as **Loss in Weight** depending on the process requirement.

FEATURES

- Industrial Weighing Controllers available with in Flame proof enclosure, Non-Flame proof enclosure with/Without in-built data storage facility suitable to process.
- Loadcell designed for 10 kg to 1000 Tons for tank weighing applications with variety of MOC: Alloy steel, SS 17-4pH , Parylene coated bearing protection class IP68-69K, IP67 , IP65 (Selected as per the process requirement.)

LOADCELL ASSEMBLY

- Patented tank weighing assembly are provided with the load-cell having the facility of Self Jacketing, ensuring about the safety of tank during the process of installation, Overloading and maintenance. MOC – of the assembly is designed from SS304 / SS316 or mild steel as per client / Process requirement

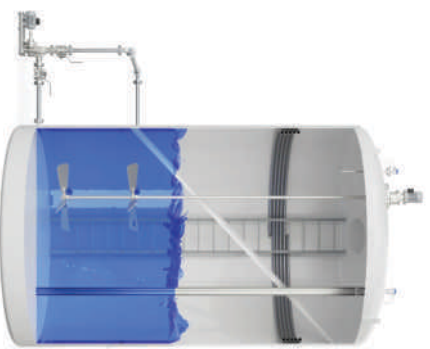
STORAGE TANK / SILO LEVEL MANAGEMENT SYSTEM.

- "We deliver end-to-end material level management solutions, including supply and commissioning of contact and non-contact level measuring devices for liquids, pastes, powders, and bulk solids.
- Our systems enable level detection, leak detection, and overflow protection, with solutions suitable for both safe and hazardous areas. Advanced software with real-time monitoring, logging, and reporting ensures accurate data availability for efficient production control."



Level

Measurement

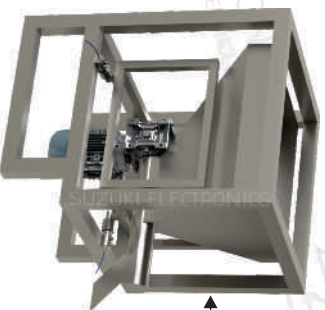


- Measuring Range Up to 100 Meter
- 80 GHz radar with PVD Lens Antenna.
- Accuracy Up to 2 mm
- Accuracy Up to 2 mm
- Advanced software for real time monitoring and reporting.
- Ensures level detection
- Ensure leakage detection
- Ensures overflow protection & dry run of pumps during material transfer.

TANKS

LOADCELLS

PROCESS INDICATORS COMMUNICATIONS TO PLC



MICRO BATCHING



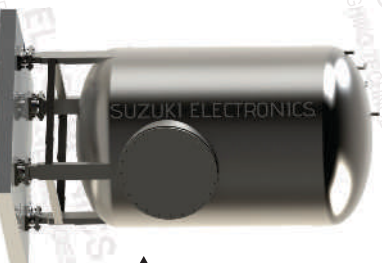
Single ended shear beam loadcell.
System Range : 300 kg - 20000 kg



Compression Loadcells.
System Range : 10 Ton - 100 Ton



Silo mount Double ended shear beam loadcell.
System Range : 2 Ton - 200 Ton



BATCH TANK WEIGHING



Button Type loadcell.
System Range : 1 Ton - 30 Ton



RS-232



DIGITAL INPUTS

DIGITAL OUTPUTS

4 - 20 mA

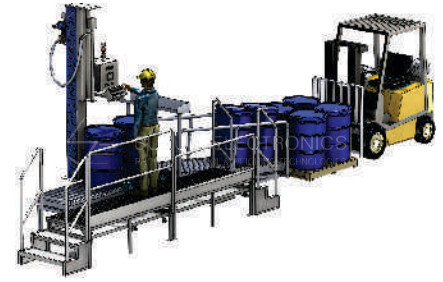
0-10V DC



EtherNet/IP

Drum Filling System

“SUZUKI” designed the drum filling stations by selecting the global instrumentation having the best performance edge in the industries. Filling applications are Designed as per Client specifications. Our primary objective during any design of equipment is Human safety, performance efficiency and ease of maintenance.



FILLING SYSTEM FEATURES

- Easy Human Interface for Operations and Touch Functionality.
- Design for Top filling (Non-foaming), Micro Dip filling (Partial Foaming) , Semi Dip filling (Semi foaming) , Full Dip filling (High foaming).
- System designed for more than 300 Step filling control action.
- Adjustable height just by per selection of the drum.
- Selecting the Media of flow (Ex. Electrical Motor, Aod or Gravity) filling and its control prophesy.
- Pneumatic Drip collection tray. (Optional Mechanical Drip collection on request)
- Wetted part SS304, SS316. SS316L With PTFE Seals.
- Type of Filling (Small Carboy to IBC Filling Station.)



INTELLIGENT CONTROLLER FEATURES

- Intelligent Cortex A8 800Mhz CPU module with inbuilt 512 MB Ram, .
- Touch Functionality with 65,536 colors.
- One touch Data transfer to selectable CSV, XLS format.
- Inbuilt 24 Bit Sharp ADC module with auto Linearity correction and fast response (50 ms)
- Programmable Recipe's With software data recording features as per user defined.
- Inbuilt Self Diagnostic features, Alarm's & Log's recording.



FILLING TYPE'S

- Top Filling (Non Foaming)
- Semi Dip filling (Semi Foaming)
- Micro Dip Filling (Partial Foaming)
- Full Dip Filling (High Foaming)

OPTIONAL

- Atex Approved HMI module's.
- Analog Valve controls for gravimetric filling.
- Gravity Conveyors, Motorized Conveyors, Nitrogen blanketing.
- IP68 , Perylene coated , Atex Approved loadcell's.
- Earth leakage interrupt.
- SS 316, SS 316L, Poly propylene, Teflon designed nozzle's.
- Equipment Body Cover SS-304 , SS-316.

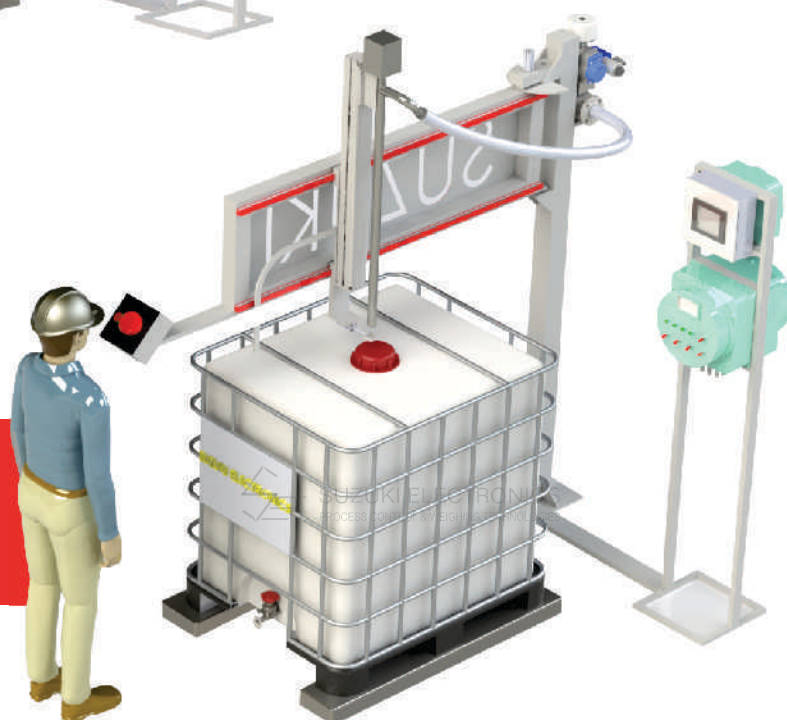
NOTE : System can be customized as per the client process requirement.





**PALLETIZER
DRUM FILLING
MACHINE**

**IBC DRUM
FILLING
MACHINE**



**PALLETIZER WITH
AUTO-CONVEYING
DRUM FILLING MACHINE**

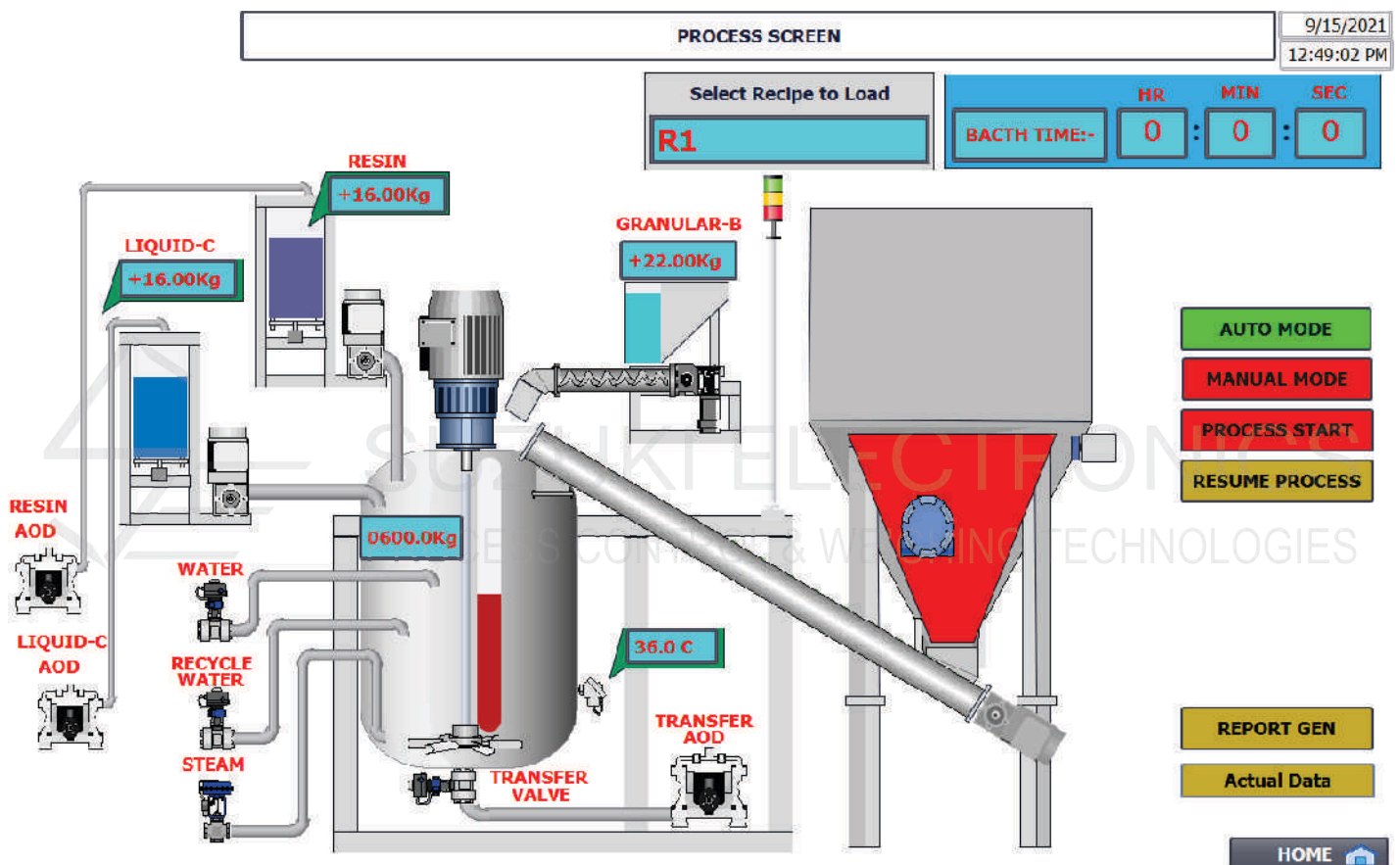
Batching System

“SUZUKI” Auto Batching System. Systems are manufactured by our dexterous professionals selecting the best engineered batching skid suitable to applications.

System is designed for the mixing of multiple ingredients synchronized using **Screw feeder, Vibro-Feeders, Rotary valve** etc. to control the feed as per application.

Using modern and renowned interfacing instruments like Scada, HMI and PLC we enhance the performance of the applications.

The plant mimic on the PC screen displays the status of the batching section & operations can be continuously monitored. PLC based computerized batching system. software acquires various data & reports from the machines, quantity of the material in batch hopper is sensed by load cells & transmits the information to PC which controls the batching operations as per the recipe.



BATCHING LIKE

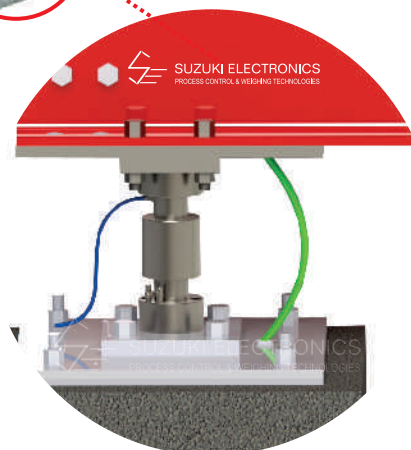
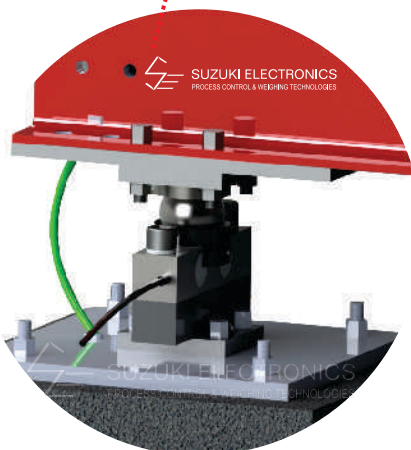
- Pigments Batching System.
- Chemical Batching System.
- Glass Frits Batching System.
- Steel Plant Batching System.
- Micro Batching System.
- Construction Chemical Batching System.
- Ink Batching System.
- Briquette Batching System.
- Ceramic Batching System.

Weighbridge

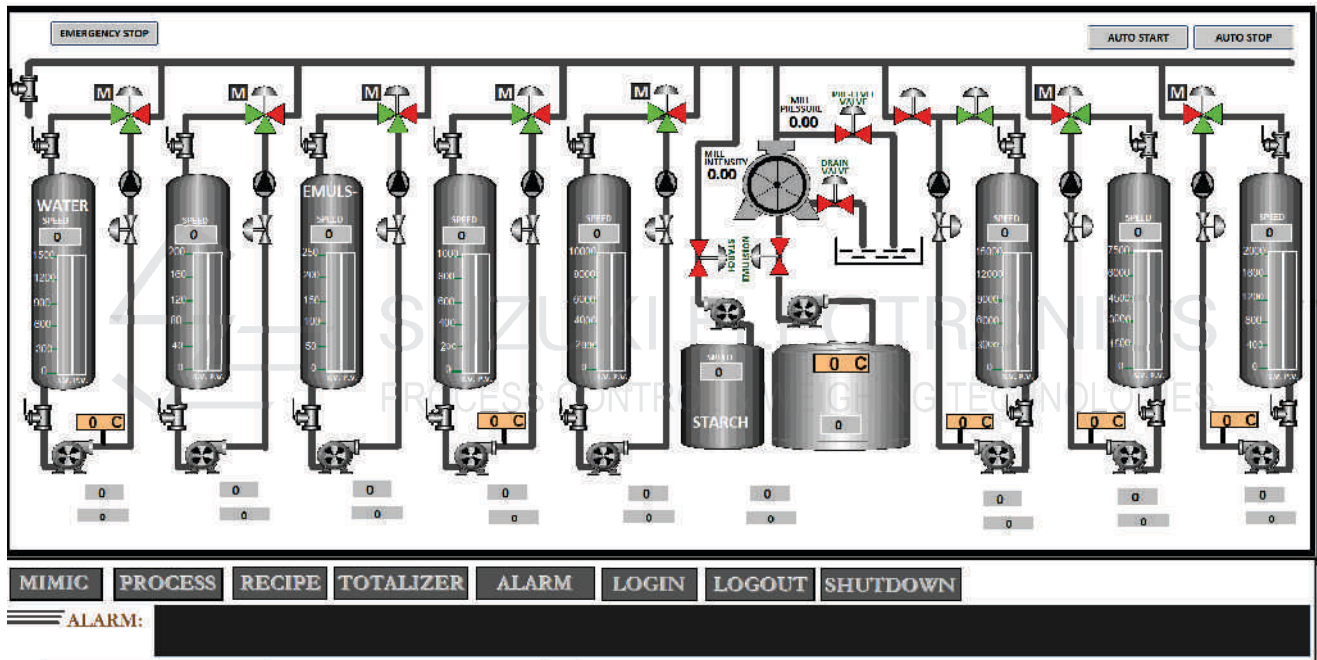
In line with client's Variegated Requirement, We “SUZUKI” bring forth an impeccable range of weigh bridge in various models. The offered bridge is precisely designed for providing the correct weight of the different items in various industries like agriculture, aerospace, Petrochemicals, Transportation, Forestry, Marines etc.

Precisely Engineered using quality test components with digital display unit, the offered bridge is rigorously checked to ensure its accurate performance, apart from this we offer this weighbridges to our clients at affordable price.

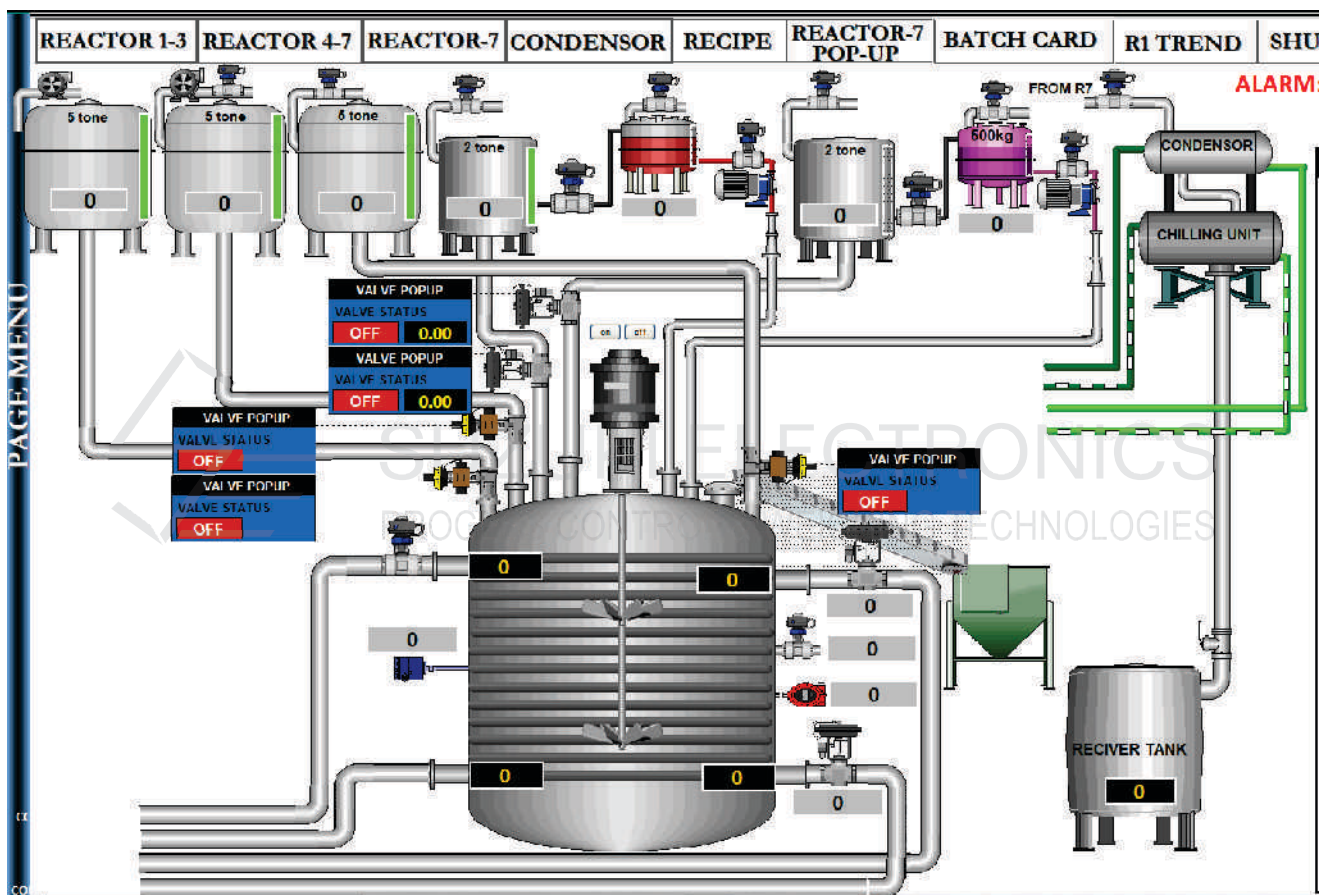
Sr. No.	CAPACITY	9 x 3 Mtr	12 x 3 Mtr	16 x 3 Mtr	18 x 3 Mtr	24 x 3 Mtr	Weighbridge Optional Accessories
1	40 Tons x 5 kg	✓					 Printer / Ups / Software / Sap / Camera
2	50 Tons x 5 kg		✓				 Printer / Ups / Software / Sap / Camera
3	60 Tons x 10 kg		✓	✓			 Printer / Ups / Software / Sap / Camera
4	80 Ton x 10 kg			✓	✓		 Printer / Ups / Software / Sap / Camera
5	100 Ton x 20 kg				✓	✓	 Printer / Ups / Software / Sap / Camera



Online Batching System



Offline Batching Systems & batch Card



SUZUKI ELECTRONICS

PROCESS CONTROL & WEIGHING TECHNOLOGIES

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