



Our Satisfied Clients

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Global leader in the field of weighing industry since 2004

- Steel Plant
- Rolling Mill
- Tube Mill
- Strip Mill
- Foundry
- DRI Plant
- Sponge Iron Plant

WEIGHBRIDGE

- Capacity :** 5 Ton to 150Tons
- Types Weighbridge :**
 - i) Pit-type weighbridge
 - ii) Pit Less- weighbridge
 - iii) Mobile weighbridge
 - iv) Un-manned weighbridge
- Type of structure :**
 - i) Modular Weighbridge
 - ii) Welded Weighbridge
 - iii) Nut-Bolt Weighbridge

Features :

- Any Weight Bridge system can be integrated with yield project with just changing electronic process controller.
- Un-manned weight bridge with SMS alerts.
- We provide Digital load cells with high accuracy (0.02%)
- Multiple weighbridge can be controlled with single controller.

CRANE SCALE

- Capacity :** 5 Tons to 50 Tons
- Application :** Scrap charging into Furnace
Scrap unloading in yard from vehicle

Features :

- Wireless Weighing Controller is provided with the system.
- Crane scale are designed with consideration of Heat environment for scrap charging into furnace
- Data integration for analysis
- System is provided with Battery backup with 04-24 Hrs.

Benefits :

- Scrap charging into furnace as per grade for chemistry control
- Scrap unloading grade wise
- With crane Scale we can perform Alloy addition, Slag Pot weighing, Jam & Launder loss weighing for daily log sheet.

FURNACE CHARGING VIBRO-FEEDER WEIGHING

Application :

- Scrap charging into Furnace w.r.t. power demand/available power
- Sponge charging into Furnace

Features :

- Continuous monitoring of feed rate to the furnace.
- Wireless- Controller with data integration.

Benefits :

- Furnace power can be utilized best with weight reference of the feeder w.r.t. feed rate.
- Alloy addition as per input of raw material
- Optimized power consumption for melting

INDUCTION FURNACE WEIGHING

- Application :** i) Induction Furnace

Features :

- Online quantity of material charged in the furnace.
- Monitor feed rate in induction furnace to utilize power completely.
- Data helps making correct decisions for alloy addition.
- Wear n Tear of lining can be analyzed by taking tare weight reference of an empty furnace.

Benefits :

- Know your power consumption w.r.t. feed rate
- Know your slag generation online
- Can manage caster sequence
- Grade wise charging
- Wear n Tear of lining can be analyzed by taking tare weight reference of an empty furnace.

LADLE WEIGHING SYSTEM

- Application :** Ladle Car • Ladle Turret • Fixed stand • Ladle Transfer Car

Capacity : 10 Tons to 200 Tons

- Features :** High Temperature Sensors upto 200°C • Wireless System • Data Saving Option

- Benefits :** To Match sequence for continuous casting. • Increase in Production rate
- Reduction in tapping temperature & increase in production results in saving electricity cost per metric ton. • Helps to maintain the quality of molten metal for adding Alloys
- Eliminates communication errors between the Melting & caster team for scheduling next heat for tapping. • Integration with Automation of Caster for industry 4.0
- Ladle-wise slag measurement for Yield of the material • Helps for synchronising Melting furnace & rolling mill. • Ladle life increased by taking weight reference.

Measure your yield, Know your losses!



Customized Weighing Solutions



TMT BAR WEIGHING SYSTEM

Application :

- Straight TMT Weighing
- Bend Material Weighing
- Pipe Weighing System
- Bars Weighing system

Features :

- Online production monitoring
- QR Code With Material Details
- Data for analysis
- Useful in Truck loading as well

Benefits :

- With data from input to output the direct calculations of losses can be analyzed.
- It eliminates the difference of physical stock as previously the input to mill was on theoretical calculation.
- Direct Stock report as per size, to monitor inventory.
- Per hour production rate can be monitored.

FISH-CUT, END-CUT, MELTING, MISS-ROLL & MILL SCALE WEIGHING SYSTEM

Application :

- Fish-cut, End cut Measuring
- Mill scale & Miss roll measurement
- TMT Bundle weighing

Benefits :

- Wireless Weighing Controller is provided with the system.
- Data integration for analysis
- System is provided with Battery backup with 04-24 Hrs
- Daily at actual calculation for losses.
- Remote data available for analysis.
- Direct effect of change in rolling parameters set on production.
- Reduction in material movement.
- This weighing system can also be used for loading TMT into trucks.
- Individual Coil weighing is also possible while stacking.

HOPPER WEIGHING SYSTEM

- Application :** Coal feeder in Reheating Furnace • Alloy Addition Bucket

- Features :** Generate the feed rate data • Remote wireless display for monitoring

Benefits :

- Systems results in direct relation with feed rate.
- Reduction in downtime for mill due to temperature down of billets
- Proper feed rate of coal impacts on mill scale losses.
- Reduction in excess use of coal for re-heating.
- The different application for these system are Alloy addition, sponge iron charging into furnace.

BILLET WEIGHING SYSTEM

- Application :** Billet weighing of billets exit from CCM • Reheating billet weighing

Features :

- System equipped with Score board. (E.g. Number, Weight & Totalizer)
- Integration with existing system for rolling data.
- Check on production w.r.t numbers & weight.
- Capable of add-ons for billet profiling.

Benefits :

- Online Production calculation
- Direct impact on reduction of random material of TMT.
- Correction in length w.r.t weight. • Reduction in wastage

TUNDISH WEIGHING SYSTEM

- Application :** Tundish Car • Fixed Tundish Arms

- Features :** High Temperature Sensors upto 200°C • Wireless System • Data Saving Option

Benefits :

- To ensure smooth Casting speed for stable and consistent operation
- Some of users have used it as alternative to AMLC
- Eliminates the slag & inclusions trapping into the billet.
- Uniform quality & Temperature of billet for rolling.
- Integration for automation of Slide gate mechanism.
- Safety for the operations.
- Weighing tundish contributes to continuity of tundish for sequencing.
- Eliminates human error for tundish level controlling.

GIRI-TECH SYSTEMS STANDS ON



SAFETY



STURDY



ACCURACY