



**Success Story**  
Industry Segment: **Construction**

## Ready Mix Concrete Batching Plant



### The End Users

With the advent of high quality construction standards, and need for consistent quality and traceability in construction activities, RMC batching plant was an idea whose time has come. Not just in large construction companies, but even small time contractors have begun to insist on RMC. In fact, labour shortage and space constraints at the construction site have made the use of RMC not only desirable, but essential as well.

### The Application: RMC Batching Plant

The RMC batching plant is a product designed by the OEM, to cater to the needs of the RMC producers across the country. It is a rugged and reliable system that has to work in very demanding conditions. It involves precise, online weighing of various ingredients (called recipes) as per the application requirements. The batching plant can be of different features: some of them can record the delivery details to different customers for long periods of time.

**"The simplicity and the functionality of FCS automation is fantastic!"**

The batching process involves a series of steps:

- serial weighing of various raw materials
- thorough mixing as specified in the recipe
- once the process is completed, fill the truck
- online printing of batching slip containing the recipe details and customer's name, the time at which the product was delivered

### The Solution:

FCS has created a reliable automation solution to support the batching plant. The solution components include:

- Control panel with switchgear for all the equipment
- HMI with printer port for operator interface, recipe selection, fault alarms
- Backup PC software for historical data and graphic viewing of the process
- PLC for weighing controller interface and sequencing
- Remote maintenance and inventory control modules are also available as optionals

### The Challenge:

This situation involves the creation of a product as against the normal creation of a solution. FCS had to take into account several factors both at the design stage and at the solution implementation stage. The product had to be extremely simple and user-friendly, since the end users are generally less literate. The solution had to match global standards both in features and in economy, since the competition includes world leaders.

### The Benefits:

- Rejections drastically reduced
- Improvement in quality
- Dramatic enhancement in quality
- Delivery schedules under control
- Significant improvement in customer confidence levels as a result of greater control in production processes

### The Reward:

The batching plant solution from this OEM is widely accepted and proven. FCS is now the preferred solution for end users across India.

#### We also offer the following:

- Soft Starters
- Variable Speed Drives (VFD)
- Switch Mode Power Supplies (SMPS)
- Pressure Switches
- LCD Touchscreen Displays
- PLC and SCADA Software
- Complete Application Solutions
- Control Panels

**For more information on any or all of these products, or to speak to our technical representatives regarding your specific application, please call or write to us at the address given below.**