



## Revolutionizing Ceramic Manufacturing with IoT Technology!



Real-time Monitoring | Quality Insights | Smart Analytics



## About SmartCera (Brief explanation)



SmartCera is an IoT-powered Smart Factory Solution designed for the ceramic and sanitary ware industry. By integrating real-time data tracking, SmartCera provides end-to-end visibility, enabling manufacturers to reduce defects, optimize production, and enhance efficiency.

Traditional ceramic manufacturing relies heavily on manual tracking, delayed reporting, and inefficient processes. SmartCera digitizes and automates these processes, ensuring seamless work-in-progress tracking, quality monitoring, and data-driven decision-making.

### Challenges in Traditional Ceramic Manufacturing



**Manual Production Tracking**



**High Defect & Rejection Rates**



**Inventory Mismanagement**



**Delayed Decision Making**

- **Manual Production Tracking** – Difficulty in monitoring each production stage efficiently.
- **High Defect & Rejection Rates** – Lack of real-time quality insights leads to increased rework.
- **Inventory Mismanagement** – Inaccurate stock data results in shortages or overproduction.
- **Delayed Decision-Making** – Lack of live production data affects operational efficiency.

### SmartCera Features & Benefits

1. **Real-time Monitoring:** Track every stage of manufacturing – from molding to packaging – in real time.
2. **Qr-Based Tracking:** Each product is assigned a unique QR code, scanned at each production stage for live updates.
3. **Live Quality & Defect Insights:** Identify defects instantly, minimize rejection rates, and improve overall product quality.
4. **Inventory & Process Optimization:** Monitor raw material usage, minimize waste, and streamline inventory management.
5. **Cloud-Based Dashboard & Reports:** Access real-time production and quality data from anywhere, anytime on a single platform.
6. **Improved Efficiency & Reduced Costs:** By automating production tracking and quality analysis, SmartCera helps manufacturers increase efficiency, reduce downtime, and optimize resources.

## Why SmartCera?

The ceramics and sanitary-ware industry faces challenges in production tracking, defect analysis, and inventory visibility. Manual tracking leads to delays, inefficiencies, and quality issues.

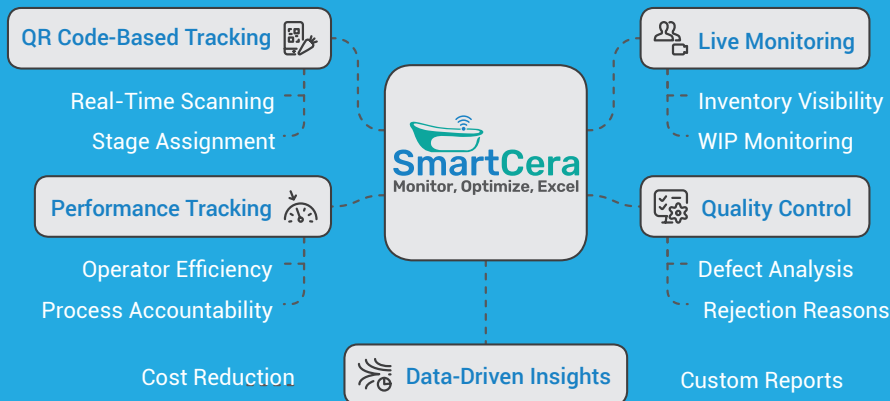
SmartCera provides real-time monitoring, process optimization, and detailed analytics to enhance production efficiency, quality control, and cost savings.

## Who Can Benefit?

1. **For Plant Managers:** Monitor live production & reduce downtime
2. **For Quality Teams:** Get real-time defect reports & optimize quality
3. **For Business Owners:** Maximize efficiency & reduce operational costs

## How SmartCera Works?

- **QR Code Assignment** – Each product gets a unique QR code at the molding stage.
- **Scanning at Every Process** – Operators scan the QR code at each stage: Casting, Drying, Spraying, Sorting, Packing.
- **Real-Time Data Sync** – Production & quality data is instantly updated on a cloud dashboard.
- **Instant Reports & Alerts** – Live notifications for defects, production status, and stock updates.
- **Data-Driven Decisions** – Factory managers get real-time KPIs, analytics, and reports for process optimization.




**Transform Your Ceramic Manufacturing with SmartCera!**

# Ready To Transform Your Ceramic Manufacturing? Get in Touch Today!

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