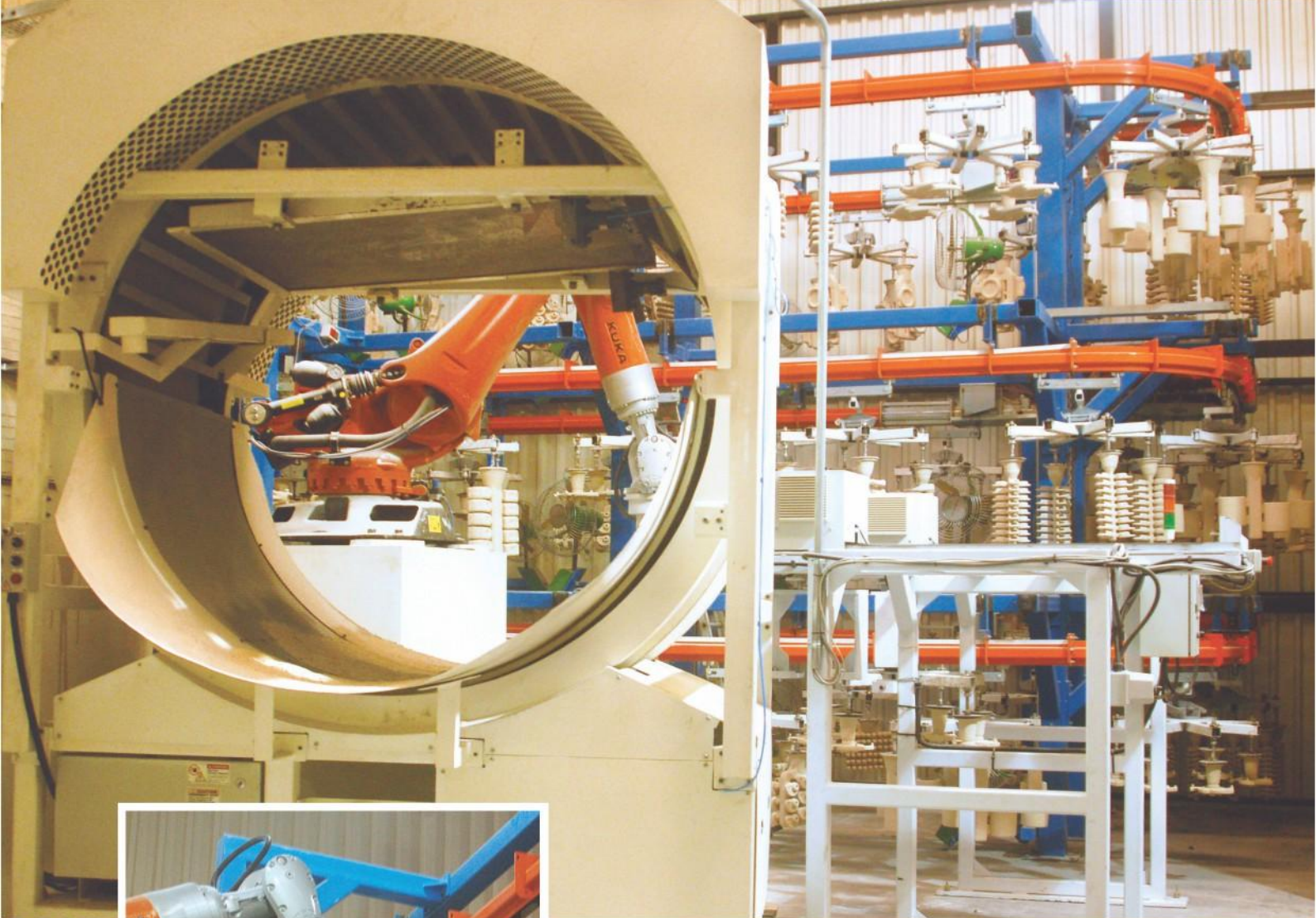




Modtech Shell Room Solutions



Flexible, Consistence,
Reliable & Modular



MODTECH

Modtech - India, is a world leading investment casting solutions designer & manufacturer, exporting products and solutions across the globe, including demanding & diversified markets such as Germany and Japan.

As a company Modtech is having a team of 200+ Skilled Engineers, and all under one roof, we have, In House Design, Manufacturing, Software Development, Project Management and Service Departments. This enables us to be a complete solution provider, from Conceptualization to Product Delivery.

Our factory is based in Ahmedabad, India, We adopt a European way of working, and over the past 20 years, have sold many thousands of machines, to countries such as United Kingdom, Ireland, Germany, France, Belgium, Netherlands, Slovakia, Finland, New Zealand, Singapore, Japan, Oman, South Africa, Russia, Canada, China, Mexico, and of course India, plus many other countries, many of them with 50 plus Modtech products in daily use.

Customized & modular cost effective solutions

Optimized specifications utilizing the best of equipment, technology & space

Proven Solution from a KUKA System Partner, KUKA a Leader in Industrial Robotic Solutions

First of it's Mjppëk Shell Management System

- Windows Based Software
- Online Storage and Tracking of Shell Part Numbers
- Complete Overview of System In Both a Remote Location and On a Network
- Unlimited Shelling Recipes
- Intuitive Shell Planning System
- Unlimited Logs of Production
- Easy Hand Shake With Existing ERP System
- Multi Level User Access System
- Remote Robot Program Selection and Planning

Climate Control System

- Dynamic Monitoring of Temperatures and Humidity
- Precise PID Control
- Efficient Air Circulation
- Climate Control Cabinets Available

Slurry Mixer

- Fully Variable Speed Control
- Ultra Low Height
- Adaptable and Flexible Agitator Mechanism.
- Unique Air Driven Paddle System to Avoid Paddle JAM in Case of Power Failure
- Sizes Up to 3000 mm Diameter.



Rotary Rain Sander:

- Fully Variable Speed Control Through Local Buttons and Mjppëk
- Special Dust Extraction Hoods for Effective Extraction
- Auto Stucco Load Mechanism
- Sizes up to 3000 mm Diameter
- Reverse Pulse Jet Type Extraction With Large Filtration Area.

Load / Unload station

- Unique Feature With Flexible Load / Unload Stations
- Special Safety System Integrated for Both Machine and Operator Safety

Gripper

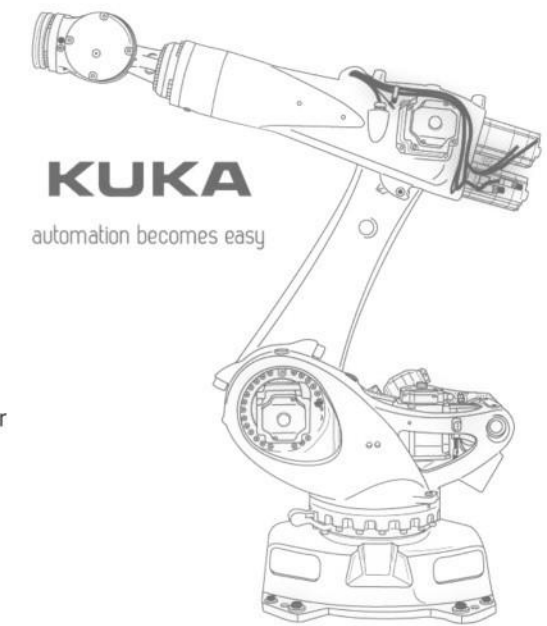
- Specially Designed Infinite Rotating Gripper

Conveyors:

- Highest Weight carrying capacity in Industry with up to 500 KG payload per hanger
- Fully Variable Speed Control via Mjppëk Software
- Bar Code / RFID based hanger identification
- Hardened precision roller chain with sealed bearings for long life

KUKA Robot

- Latest Quantec series Robots from **KUKA** Robotics
- Special Foundry atmosphere compliance IP67
- All digital Servo axis with provision of adding axis without any hardware change, Infinite Rotation of 6th axis.
- Absolute Encoders with Brushless Servo motors
- Windows based Control Pendant with Hot Plugging feature, High end specs computer for Robotic Control
- All digital servo system with latest EtherCAT high speed communication protocol



Fact Sheet - Shell Room Solutions

Sr.	Specification	Capacities
01	Industrial Robot	Payloads up to 1300 KG
02	Robot Add on	Integrated 7th Axis, Conveyor tracking
03	Robot Riser	Platforms to suit different layouts
04	Conveyor system	Included
05	Conveyor tiers	Up to 3 Tiers
06	Gripper	Up to 1000 KG shell weights
07	Load – Unload Stations	Optional
08	Mjppëk Shell Management System	Optional
09	Slurry Tanks	Up to 3000 mm diameter
10	Rain Sander	Up to 3000 mm diameter
11	Wash Prewet Tanks	Optional
12	Climate Control System	Optional
13	Safety Systems	Optional



MODTECH

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