

TechnoBiz

# ROTO MOULDING TRAINING

12-14 MARCH 2025

BANGKOK, THAILAND

VENUE: BITEC

SPONSOR



**RISING SUN**  
RISING SUN ROTOMOLDING MACHINERY

TRAINERS



Ian Hansen



Umakant Savdekar

Training Courses  
for Rotational Moulding  
Professionals and Businesses

<https://training.technobiz.org>

## COURSE SCHEDULE

Following training courses are scheduled during 12-14 March 2025 in Bangkok, Thailand at BITEC as co-located events of “RotoMoulding Trade Expo 2025“. These four courses are aimed for process engineers, technical managers and business owners of rotational moulding processes. The programs will be conducted in ENGLISH only.

### **Rotomoulded Tanks : Design, Manufacturing & Quality Control**

*Schedule: 12 March 2025 | 10am-5pm*

*Speaker : Ian Hansen, Australia*

### **Rotomoulding Raw Materials : Quality & Management**

*Schedule: 13 March 2025 | 10am-1pm*

*Speaker : Ian Hansen, Australia*

### **Best Practices to Operate RotoMoulding Businesses Efficiently**

*Schedule: 13 March 2025 | 2pm-5pm*

*Speaker : Ian Hansen, Australia*

### **Rotational Moulding : Process Troubleshooting**

*Schedule: 14 March 2025 | 10am-1pm*

*Speaker : Umakant Savdekar, India*



## Rotomoulded Tanks : Design, Manufacturing & Quality Control

12 March 2025 | 10am-5pm | Ian Hansen, Australia

This full-day training course is dedicated to the design and manufacture of storage tanks, with a focus on industrial tanks - chemical tanks, fertilizer tanks, water tanks, wastewater treatment, /septic tanks, underground tanks etc..

This course is suitable for Production Manager, Supervisor, Team Leader, Engineers, Technicians, Quality Manager, Factory Managers, Business Owners etc. in rotomoulding businesses, who involved with manufacturing of Storage Tanks. This program is also suitable for new investors.

### Course Content

- Storage Tanks: Types, Function, and Applications
- Rotomoulded Tank Market Overview & Trends
- Basics of Technical Physical Properties for Selecting the Best Polymer
- Short-Term Properties: Tensile Strength & Flexural Modulus
- Long-Term Properties: Hydrostatic Design Basis & Creep Modulus
- Wall Thickness Calculation of Tanks
- Tank Design Process by using Finite Element Analysis (FEA)
- Materials Knowledge Required when You Design & Manufacture Chemical Tanks
- Anti-Microbial Water Storage Tanks
- Multi-Layer Water Tanks
- Storage Tank Cover/Roof Design
- Rotomoulding Machinery: Types, Principles & Selection
- Key Aspects of Mold Design & Manufacturing for Tanks
- Process Control & Process Window of Rotomoulding Process
- Monitoring Trapped Air Bubbles and Simple Methods to Determine the Level of Cure
- How to Manage Flanges and Parting Lines, along with Vents/Breathers
- Understanding of Causes of Blowholes and How to Eliminate
- Surface Pinholes troubleshooting
- Scrap Issues and Management
- Tanks Product Quality Testing
- Standards and Regulations
- Installation of Large Tanks
- Plastic Welding of Outlets in Chemical Tanks



## Rotomoulding Raw Materials : Quality & Management

13 March 2025 | 10am-1pm | Ian Hansen, Australia

This half-day training course is focusing on importance of good quality rotomoulding raw materials and its handling to produce good quality product. This program is suitable for quality manager, production manager, engineers, technicians from rotomoulding companies and also technical service engineers of material suppliers.

### Course Content

- Polymer Types for Rotomoulding Process
- Understanding Technical Data Sheet of Polymers
- Selecting the Right Grade Polymer
- Colouring Methods - Dry Blending *versus* Melt Compounding
- Colour Pigments & Properties
- Anti-Oxidant (heat) & Ultra-Violet (light) Additives & Guidelines
- Compounding Quality Practices and Effect on Product Service Life
- Pulverising Process of Polymer Pellet to Powder and Practical Quality Issues
- Quality Tests - Dry Flow, Bulk Density, Particle Size Distribution
- Multi-Layer Materials
- Consistency of Powder Materials
- Why Coloured Polymer Materials can Fade



**20** +   
 20+ Experience  
 MACHINE

**120** +   
 120+ Patents

**80** +   
 Sale to 80+ countries

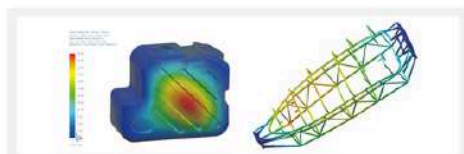
**20** +   
 20+ Experts



**90** + OVEN TYPE ROTOMOLDING MACHINES IN SOUTH EAST ASIA!



MOULD



R&D



Rotomolding ink



Rubber Vent

## Best Practices to Operate RotoMoulding Businesses Efficiently

13 March 2025 | 2pm-5pm | Ian Hansen, Australia

This half-day training course is aimed for business owners and top management of rotomoulding businesses with focus on excellence in operations and business management. It covers both technical and non-technical aspects of rotomoulding factory management.

### Course Content

- RotoMoulding Industry - Global Market Trends & Opportunities
- Product Diversification, New Markets, and Strategies
- Raw Materials Management
- RotoMoulding Machines - Selection, Advantages & Disadvantages
- Mold & Tool Management
- Product Design & Development
- Product Testing, Quality Control Systems & Defective Parts
- Safety Guidelines & Accident Prevention
- Energy Management & Good Practices
- Machinery Maintenance & Management
- Housekeeping & 5S
- Curing Cycle Optimization
- Production Cost Optimization & Key Elements
- Graphics & Branding
- Plant Automation Practices
- Human Resources, Training & Talent Management
- Warehouse & Logistics Management

**ROTO  
MOULDING**  
*Digital Library*

**104 Topics**  
**56 Specialists**  
**TechnoBiz**

**Knowledge Bank for RotoMoulding Industry**

Member Registration : [www.youtube.com/@technobiz2005/join](http://www.youtube.com/@technobiz2005/join)

## Rotational Moulding : Process Troubleshooting

14 March 2025 | 10am-1pm | Umakant Savdekar, India

This half-day training course focuses on troubleshooting of rotational moulding process problems and product failures. This course is aimed for factory managers, engineers, business owners and top management of rotomoulding businesses.

### Course Content

- Concept of Shrinkage and Warpage, How to avoid it ?
- Parting Lines issues
- Pin Hole Problems
- Mold Release Aspects
- PE Foaming Process Issues
- Product quality control on shop floor
- Common reasons for product failure
- Standard shop floor practices

### Trainers



**Ian Hansen** has 40 years experience in the plastic rotational moulding industry. 15 years in colour compounding and grinding of powders. 25 years in rotomoulding operations. He has presented to rotomoulding audiences around the world on the subjects of materials, tank design, quality and safety. Ian has worked for both small and large manufacturing companies within Australia and New Zealand and is currently an independent consultant to the global rotational moulding industry. Ian is an ARMA Icon of Roto moulding, and he has previously served as President of ARMA, and on the ARMO Executive board.



**Umakant Savdekar** is a well-experienced rotational moulding specialist. He founded Phychem Technologies, which is a leading manufacturer and exporter of rotational moulding powders and compounds. He is also past-president of Society of Asian Rotomoulders (StAR). He is current board member of StAR. He regularly offers educational sessions on various aspects of rotational moulding process. He is well known for his presentation on practical aspects of rotational molding covering daily shop floor issues. He is a main coordinator for BIS review committee for Indian standards for tanks. He was involved in the development of StAR standards for underground storage tanks.

## DELEGATE REGISTRATION FEE

Training Course	Thailand Delegates	Overseas Delegates
Rotomoulded Tanks : Design, Manufacturing & Quality Control	7,000 Baht	300 US\$
Rotomoulding Raw Materials : Quality & Management	5,000 Baht	200 US\$
Best Practices to Operate RotoMoulding Businesses Efficiently	7,000 Baht	300 US\$
Rotational Moulding : Process Troubleshooting	5,000 Baht	200 US\$
<b>All Courses</b>	20,000 Baht	850 US\$

**Remarks :** VAT 7% applies on registration fee. Certification and Training Documentation will be provided all participants. **Group Registration :** 15% discount on registration fee will be offered for the group of minimum delegates from the same organization.

**Registration Form**



## Program Venue



**Bangkok International Trade & Exhibition Center (BITEC)**  
Bangna, Bangkok, Thailand | Nearest Train Station: Bangna

### Contact Person for Assistance

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