

RobinsonBrothers

Providing Excellence in Chemistry

Est. 1869

About Us

Family owned

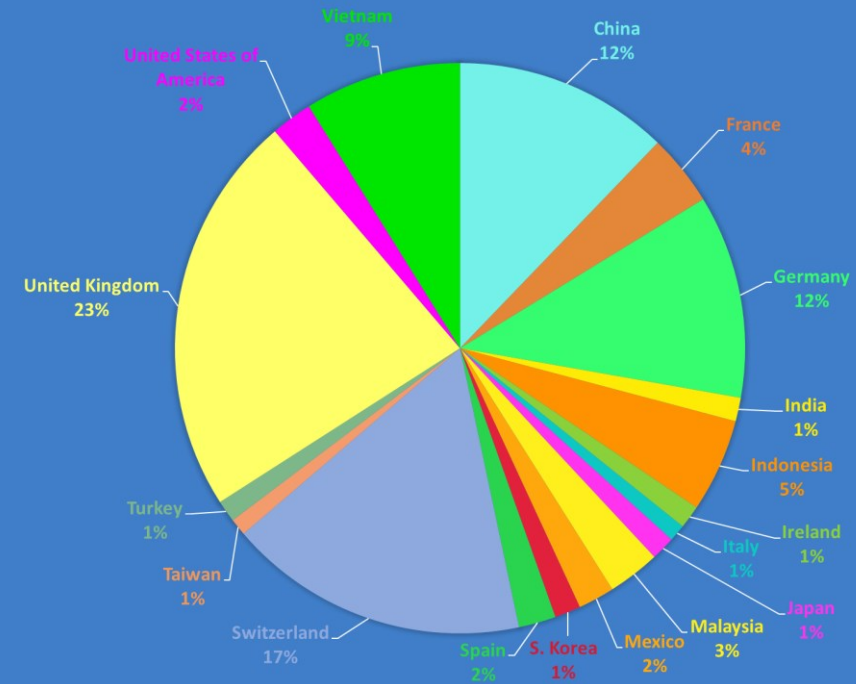
Develop and manufacture chemical intermediates

Used in a wide variety of industries and applications

Two UK based manufacturing sites

Global Sales: Export: 77%

Domestic: 23%



About Us

Services we offer:

- Research & Development
- New product development
- Process development & optimisation
- Scale-up manufacturing
- Contract, custom & toll manufacturing

We work with the top 5-10 global brands across a wide variety of industries



Business Units

RobinsonBrothers <i>Excellence in Chemistry</i>	Speciality & Fine Chemicals	Manufacture fine chemical intermediates Large scale manufacturer kilograms to large tonnes
RobacTechnology	Rubber Accelerators	Manufacturer of innovative technical products for the rubber and polymer industry. Full technical services and bespoke technical solutions.
Endeavour Speciality Chemicals	High Impact Aroma Chemicals Research Chemicals & Intermediates	Manufacturer of quality assured flavour & fragrance ingredients. Small scale manufacturer of bespoke research chemicals and intermediates

History

Formed
Robinson Brothers Ltd

1869

Production of
Formaldehyde

1920s

Pharmaceutical and
Horticultural products
Sulfapyridine (M&B 693)
Metam sodium
Thiram
Zineb
Mancozeb

1940s

Focus on
pharmaceutical intermediates
rubber chemicals
odorants for Natural Gas

1960s

Contract Manufacturing of
Pharmaceutical Intermediates
Agrochemical intermediate
Photographic chemicals

1980s

1909

Licensed to manufacture
Tarvia™ Bitumins

1939

Robac™ rubber vulcanisation
accelerators launched

1950s

Thioglycolic acid
& its salts
for cosmetic hair
treatments

1974

Acquired Cambois site
Robac Accelerators &
Cysteamine.HCl production

food & beverage ingredients
speciality rubber accelerators
Robac™ Arbestab Z
complex agrochemical &
pharmaceutical intermediates
imaging chemicals
flavour & fragrance

Began selling products
into China

CIA Company of the Year

Remedies Project:
Continuous flow production

Celebrating 150 years
Robac™ TINTD

1990

2005

'SafeRubber' Project:
Robac™ SRM102
for polychloroprene

2014

2018

2000s

Research focused on
Green Chemistry,
Nitrosamine avoidance and
Type IV allergy elimination
Robac™ AS100

2008

Acquired
Endeavour Speciality Chemicals Ltd
high impact aroma chemicals

2012

2013

Research focused on
LED & OLED chemistry

2015

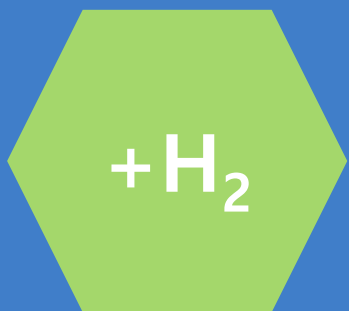
FDA Inspection

2019

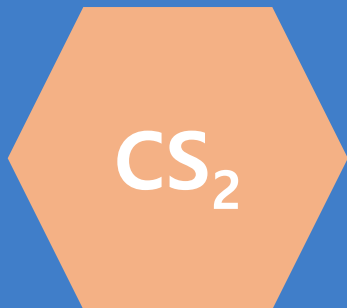
RobacTechnology - Speciality Rubber Accelerators

Satisfying Regulatory Challenges

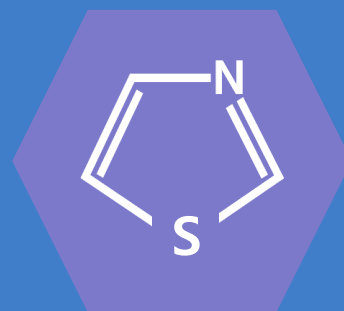




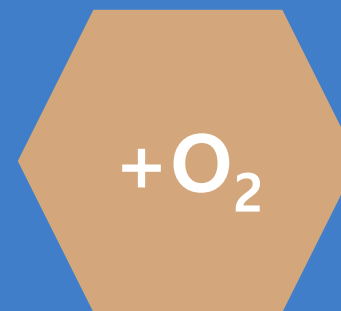
Hydrogenation



Carbon disulfide



Heterocyclic
chemistry



Oxidation

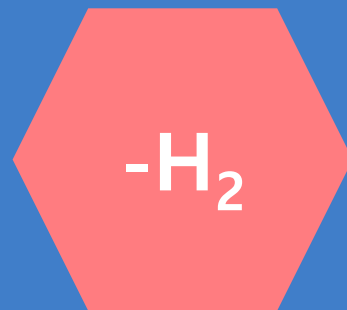
Chemistry Competences



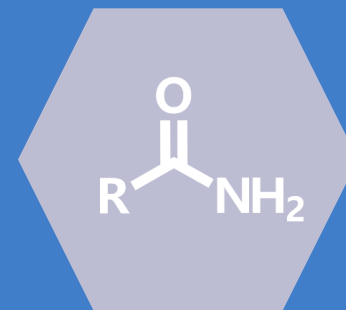
Chlorosulfonation



Amination



Dehydrogenation



Amidation

Regular Processes

Acylation

Alkylation

Amination

Carboxylation

Chiral Synthesis

Chlorosulfonation

Condensation

Cyanation

Dehydrogenation

Diazotisation

Diels Alder Reaction

Esterification

Eschweiler-Clark/Leuckart

Friedel-Crafts Reaction

Hydrogenation

Methylation

Oxidation

Reduction

Sulfonation

Thiocarbonylation

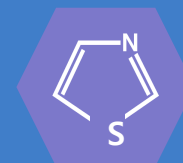
Thiolation

+H₂

+SO₂Cl

CS₂

+N



+O₂

-H₂

Regular Product Types

Amides

Heterocycles(O,N,S)

Thioamides

Amines

Mercaptans

Thiols

Amidines

Sulfides

Thioesters

Cyclohexanedione

Sulfones

Thioethers

Disulfides

Sulfonylchlorides

Thioureas

Dithiocarbamates

Sulfoxides

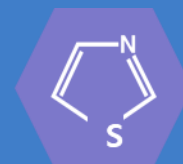
Xanthates & Xanthogen sulfides

+H₂

+SO₂Cl

CS₂

+N



+O₂

-H₂

Regular Raw Materials

Acid Chlorides

Alpha-Olefins

Alkylamines (aq., Liq., & gas)

Alkyl Halides

Alkoxides

Ammonia (aq. & anhydrous)

Boron trifluoride (gas & etherate)

Carbon disulfide (CS₂)

Chloroformates

Chlorosulfonic acid (ClSO₃H)

Formaldehyde

Formic acid

Hydrogen

Hydrogen peroxide

Hydrogen sulfide (H₂S)

Mercaptans (Thiols)

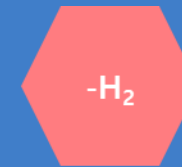
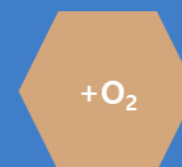
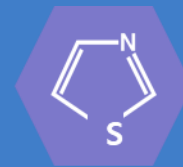
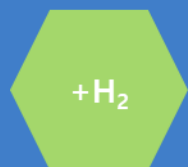
Metal hydrides (NaH, NaBH₄ etc.)

Sulfur chlorides (S₂Cl₂, SOCl₂, SO₂Cl₂)

Sodium hydrosulfide (NaSH)

Sodium methylmercaptide (NaSCH₃)

Thioacids (Thioacetic, Mercaptoacetic)



Capacities at Robinson Brothers

R&D
100g – 1kg

PhD Chemists

Research routes of synthesis

Early sample provision

Provisional specifications

Grams to kilogram scale

Define process parameters

In-House Process safety testing: -

- ✓ Differential Scanning Calorimetry
- ✓ Advanced Reactive System Screening Tool (ARSST)
- ✓ Chemisens Reaction Calorimetry

Kilo-lab
1kg-20kg

20L QVF Reactor

Process development

Production of early small kilograms

Capabilities: -

Temperature: -20°C - 60°C

Packed fractional-distillation column

Liquids and solids addition

Pilot Plant
30kg – 1mt

First scale up & semi-production

Further process development & optimisation

Capabilities: -

Reactors: 200L - 1,250L
Glass-lined & Stainless Steel

Hydrogenation Autoclaves
1L – 30L

Temperature: 0°C - 160°C

Vacuum: atmospheric to 0.1mbar

Packed fractional-distillation column (15-Plates)

Filter Driers: -
Hastelloy & Stainless Steel

Production Operations
1mt – 100mt

Production kilogrammes – large tonnes

Continuous improvement activities

Capabilities: -

Batch Stirred Reactors
50L - 13,500L
Glass-lined & Stainless Steel

Hydrogenation Autoclaves
900-4,500L
Glass-lined - Stainless - Carbon Steel
Low – Medium – High Pressure
4Bar – 15Bar – 70Bar

Filter driers; Hastelloy & Stainless Steel

Gaseous reactants
H₂S, H₂, BF₃, NH₃, CH₃NH₂, Propene etc.

Centrifuges; Stainless Steel & resin-lined

Fluid bed driers; Stainless Steel

Continuous investment program

Quality Accreditations

- Accreditations:
- ISO 9001:2015
- ISO14001:2015
- ISO 22000:2018

bsi.  

Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that: Robinson Brothers Limited
Phoenix Street
West Bromwich
B70 0AH
United Kingdom

Holds Certificate Number: FM 10432

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

The manufacture and supply of organic chemicals to own and customer specifications for the use in the rubber, plastics, agrochemical, photographic, pharmaceutical and allied industries.

For and on behalf of BSI: 
Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 1990-07-16 Effective Date: 2021-01-13
Latest Revision Date: 2021-04-08 Expiry Date: 2024-05-12

Page: 1 of 1

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Printed copies can be validated at [www.bsigroup.com/ClientDirectory](#)

Information and Contact: BSI, Kitemark Court, Davy Avenue, Knowlhill, Milton Keynes MK5 8PP Tel: +44 345 080 9000
BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.
A Member of the BSI Group of Companies.

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Certificate of Registration

ENVIRONMENTAL MANAGEMENT SYSTEM - ISO 14001:2015

This is to certify that: Robinson Brothers Ltd
Phoenix Street
West Bromwich
B70 0AH
United Kingdom

Holds Certificate Number: EMS 57413

and operates an Environmental Management System which complies with the requirements of ISO 14001:2015 for the following scope:

The development, manufacture, and supply of organic chemicals to own and customer specifications.

For and on behalf of BSI: 
Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 2001-01-17 Effective Date: 2021-05-10
Latest Revision Date: 2021-04-08 Expiry Date: 2024-05-09

Page: 1 of 1

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Certificate of Registration

FOOD SAFETY MANAGEMENT SYSTEM - ISO 22000:2018

This is to certify that: Endeavour Specialty Chemicals Ltd
12 Low March Industrial Estate
Low March
Dunvanty
NN11 4SD
United Kingdom

Holds Certificate Number: F5MS 705184

and operates a Food Safety Management System which complies with the requirements of ISO 22000:2018 for the following scope:

Manufacture and supply of food grade aroma chemical products for use in the flavour industry. Category K

For and on behalf of BSI: 
Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 2019-10-02 Effective Date: 2019-10-02
Latest Revision Date: 2019-10-01 Expiry Date: 2022-10-01

Page: 1 of 1

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Sustainability

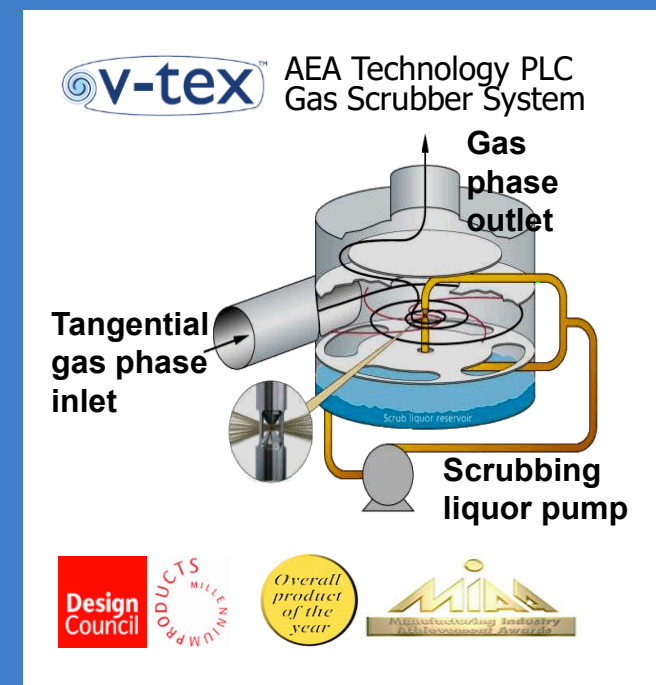
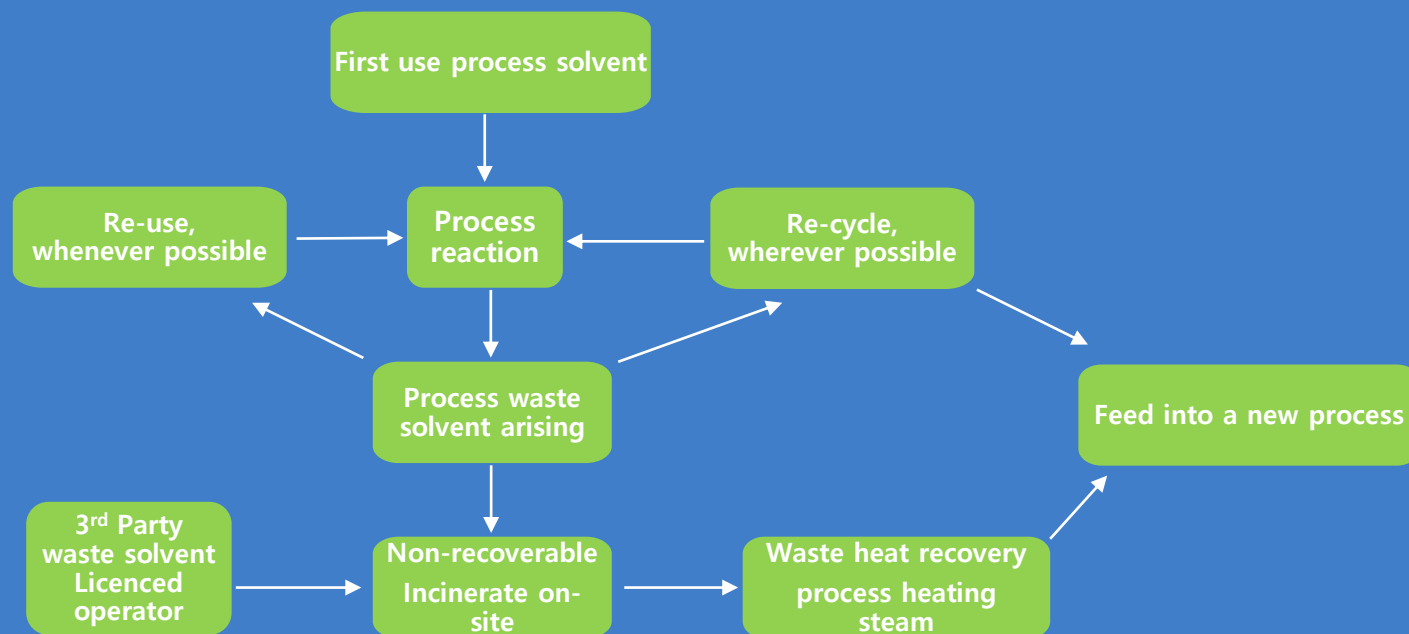
High efficacy of equipment allows handling and use of highly odorous compounds

Continuous emissions monitoring system (CEMS)

Achieves >99.9% reduction of SO_x emissions

Waste incineration directive (WID) compliant

Dedicated SHE and Regulatory team



Collaborations

Continue to collaborate with:

- Global customers
- Research groups
- Equipment manufacturers
- Technology providers

Treatt - International flavour & fragrance supplier

Britest - Methods & Tools for better process understanding and design

UK Catalysis Hub

Universities - collaborations to enhance understanding & foster 'blue-sky' research

University of Birmingham

Queen's University Belfast

Aston University

Loughborough University

University of Cambridge

University of Nottingham

University of Warwick

University of Strathclyde

Brunel University London

University of Manchester

3 x EU Funded 7th Framework (FP7) "Horizon 2020" projects



Trade Associations



Working for chemical and
pharmaceutical businesses



**britishfootwear
association**

Industry Awards

Winners of...

2020

Black Country Chamber Awards
Winner Family Business

2019

RoSPA Silver Award for
Health and Safety Practices

BCCC Award: Young Apprentice of the Year
awarded to Pilot Plant Technician

2016

Britest Members' Day: Best Poster

2012

Chemical Industries Association
GSK Innovation Award:
Robac AS100 vulcanisation accelerator,
a safe and nitrosamine-free technology



2013

Chemical Industries Association
Responsible Care Special Award for
Process Safety Leadership:
Excellent leadership in safety

2014

Chemical Industries Association:
Company of the Year

2014

Chemical Industries Association
Innovation Award: GSK sponsored:

Summary

- Experts in a wide range of synthetic organic chemistry
- Focused on innovation
- Excellent reputation for quality, reliability and technical service
- Flexible and responsive to the needs of the customer
- Competitive, always aiming to add value for the customer
- REACH compliant
- UK manufacturer

Contact Us

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UK

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