



HYDRA | 雍原有限公司

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服務與產品

SERVICES AND PRODUCTS



HYDRA International Co., Ltd | 雍原有限公司
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ABOUT HYDRA 01

關於雍原

Founded in 1978 and headquartered in Taipei, HYDRA® petrochemical engineering services and chemical products for industrial processing is industry standard for over 40 years. As HYDRA®, we provide a wide range of international business and trade services to help our clients succeed in the global marketplace. Our experienced team of professionals offers expert guidance and support in areas such as import/export regulations, international logistics, market research, and more. We understand the challenges of doing business abroad and are committed to helping our clients & suppliers navigate the complexities of international trade with confidence.

雍原有限公司成立於1978年，在化工產業方面，我們擁有豐富且成熟之經驗，我們提供廣泛之國際商業貿易服務，幫助我們的客戶在全球市場取得成功。我們經驗豐富的專業團隊在進出口法規、國際物流、市場研究等領域提供專家指導與支援。我們了解在國外開展業務的挑戰，並致力於協助我們的客戶克服信心地應對國際貿易的挑戰。



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質量傳送工程設計 03

雍原質量傳送工程設計中提供化學工程的許多核心計算，包括質量平衡、能量平衡、氣液平衡、傳熱、傳質、化學動力學、分餾和壓降計算。

MASS TRANSFER DESIGN

HYDRA® MASS TRANSFER DESIGN performs many of the core designs and calculations of chemical engineering, including those concerned with mass balance, energy balance, vapor-liquid equilibrium, heat transfer, mass transfer, chemical kinetics, fractionation, and pressure drop.

客製化模擬解決方案

CUSTOM SIMULATION SOLUTIONS



HYDRA® SIMULATION SOFTWARES

雍原化工模擬軟體應用

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塔內件 04



COLUMN INTERNALS

HYDRA® COLUMN INTERNALS is custom-designed to optimize column performance, combining the latest developments in technology and other relevant factors, including material and operational costs, to achieve both business and optimal efficiency goals.

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RANDOM PACKINGS 05

散堆填料

雍原散堆填料提供全方位的散堆填料設計和材料。各填料產品均經過精密設計，可創造極大的氣液接觸面積，從而優化蒸餾、吸收和汽提等化學分離過程的效率。

- 翼片層型拉氏環 (階梯環)
- 拉氏環 (矩梯環)
- 高鞍環 (托勒環)
- 特殊形拉氏環 (特殊形矩梯環)
- 垂直拉氏環 (環形)
- 立體六角型拉氏環 (拉氏鞍)
- 圓錐拉氏環 (獅頭環)
- O型拉氏環 (O形拉氏環)
- 扁型拉氏環 (拉氏鞍)
- 特殊拉氏環 (拉氏鞍)
- 特殊形拉氏環 (梅花環)
- 雙邊球型拉氏環 (環形)
- 新加坡其他各類散堆填料*

- CMR Rings
- IMTP Rings
- Intalox Saddles
- Intalox Ultra Rings
- Hitelex Rings
- Languard Rings
- Pall Rings
- Q Pac
- Raschig Rings
- Raschig Super Rings
- Snowflake Rings
- Tripacks
- Please Inquire about other HYDRA® random packings

陶瓷
塑料
金屬

CERAMIC PLASTIC METAL

HYDRA® RANDOM PACKINGS offers the most comprehensive designs and materials of random packing, and each engineered to create surface area for maximum vapor-to-liquid contact to optimize efficiency in chemical separation process of distillation, absorption and stripping.

客製化生產成型

CUSTOM PRODUCTION MOLDING

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CATALYST SUPPORT 06

催化劑載體

HYDRA® CERAMIC BALLS 雍原瓷球

HYDRA® ALUMINA BALLS 雍原鋁球

HYDRA® ACTIVATED ALUMINA 雍原活性氧化铝

雍原催化劑載體包括球狀陶瓷或液體在反應器或吸附上，具有極佳的表面積和均勻性，並能在反應器中均勻分布，以延長其使用壽命。產品包括瓷球、鋁球和活性氧化铝。

HYDRA® CATALYST SUPPORT of Alumina, Activated Alumina, and Ceramic Balls accelerate the distribution uniformity of gas or liquid in the reaction tank or adsorption tower; and to cover or support catalysts and adsorbents with weak strength to prolong their service life.

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ABRASIVES 07

工業磨料

HYDRA® ABRASIVES includes Aluminum Oxide and Silicon Carbide for production and application of blasting, grinding, and polishing.

HYDRA® BROWN FUSED ALUMINA OXIDE

雍原工業磨料包括氧化鋁和碳化矽，用於噴砂、研磨和拋光的生產和應用。

客戶指定材質及成分需求

CUSTOMER SPECIFIED MATERIAL AND CONTENT REQUIREMENTS

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INDUSTRIAL CLAYS 08

工業粘土

雍原工業粘土包括高嶺土、膨潤土、海泡石/坡壘石、滑石和矽石。

HYDRA® INDUSTRIAL CLAYS includes Kaolins, Bentonites, Sepiolite/Palygorskites, Correnes, Clay, and Shales.

客戶指定材質及成分需求

CUSTOMER SPECIFIED MATERIAL AND CONTENT REQUIREMENTS

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CHEMICALS 09

化工原料

雍原化工原料包括塗料、黏合劑、密封劑、彈性體、阻礙劑、砂膠、黏、水處理、中阻劑、肥料、藥物製劑和聚合物添加劑。

- 活性白土 (活性漂白土)
- 活性炭
- 活性炭椰殼 (活性炭椰殼)
- 己二酸
- 錳球 (錳球)
- 矽酸鈣 (矽酸鈣) 石灰石
- 矽酸鈣鈣 (矽酸鈣鈣)
- 矽酸鈣鈣 (矽酸鈣鈣)
- 無水碳酸鈉 (無水碳酸鈉)
- 常用膠水 (常用膠水)
- 歡迎諮詢其他各類化工原料*

HYDRA® CHEMICALS supports businesses of C.A.S.E. (Coatings, Adhesives, Sealants, Elastomers), Flame Retardants, Slanes, Acid, Water Treatment, Intermediates, Fertilizer/Crop Nutrition, and Polymer Additive.

- Activated Bleaching Earth
- Activated Carbon Coal
- Activated Carbon Coconut Shell
- Adipic Acid
- Aluminum Bead Pellets
- Boric Acid
- Calcium Carbonate Lump
- Calcium Stearate
- Potassium Peroxulfate
- Sodium Carbonate Anhydrous
- Urea Automotive Grade

■ Please Inquire about other HYDRA® chemicals

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SEMICONDUCTOR MEDIA 10

客戶指定材質及成分需求

CUSTOMER SPECIFIED MATERIAL AND CONTENT REQUIREMENTS

半導體原料

雍原半導體原料提供有鑲半導體製成的主要化工原料，包括：鋁、磷、鎢、錳、矽、鎢、鎢、鎢、鎢。

HYDRA® SEMICONDUCTOR MEDIA supports businesses of semiconductor manufacturing processes, including global procurement and supply chain management of key raw materials: Aluminum, Arsenic, Boron, Carbon, Gallium, Germanium, Nitrogen, Phosphorus, Silicon, etc.

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雍原有限公司成立於1978年，在化工產業方面，我們的服務和產品包含：化工工程顧問、專業定制設計及相關化學產品研發進出口。在雍原，我們提供廣泛的國際商業和貿易服務，幫助我們的客戶在全球市場取得成功。我們經驗豐富的專業團隊在進出口法規、國際物流、市場研究等領域提供專家指導與支援。我們了解在國外開展業務的挑戰，並致力於協助我們的客戶充滿信心地應對國際貿易的挑戰。



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質量傳送工程設計

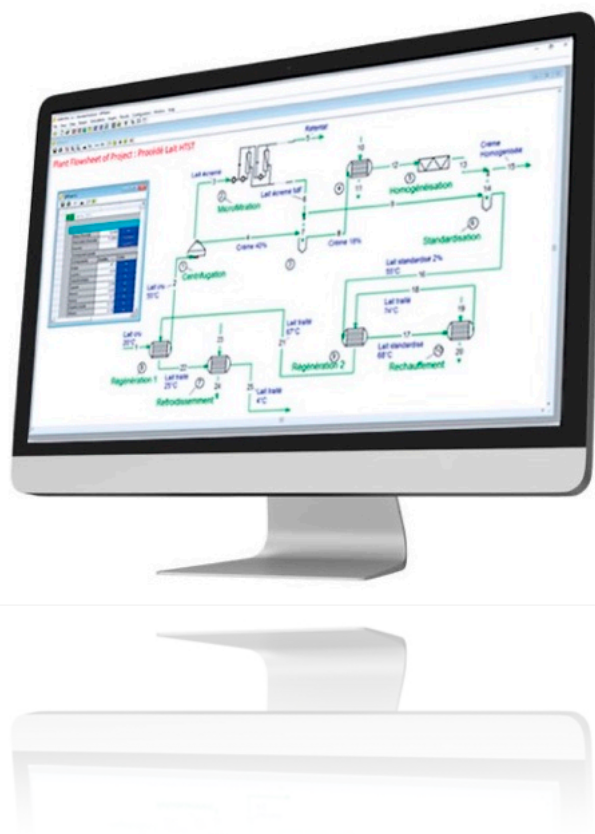
雍原質量傳送工程設計®提供化學工程的許多核心計算，包括與質量平衡、能量平衡、氣液平衡、傳熱、傳質、化學動力學、分餾和壓降有關的計算。

MASS TRANSFER DESIGN

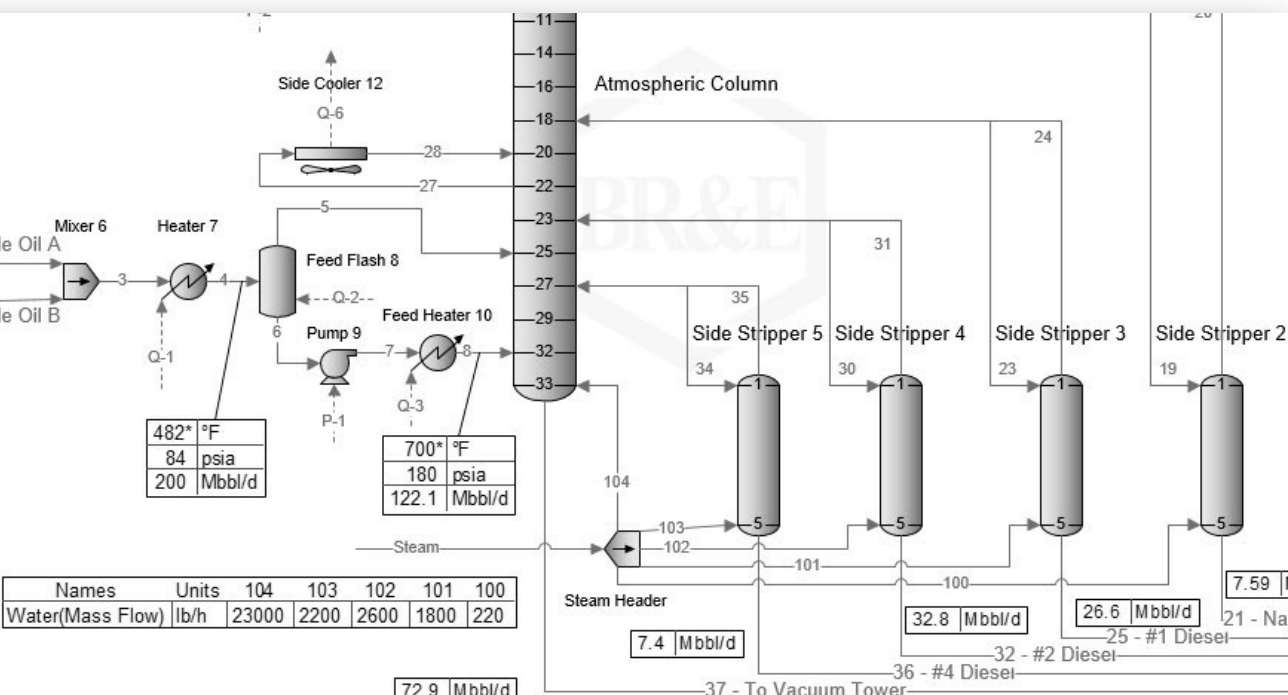
HYDRA® MASS TRANSFER DESIGN performs many of the core designs and calculations of chemical engineering, including those concerned with mass balance, energy balance, vapor-liquid equilibrium, heat transfer, mass transfer, chemical kinetics, fractionation, and pressure drop.

客製化模擬解決方案

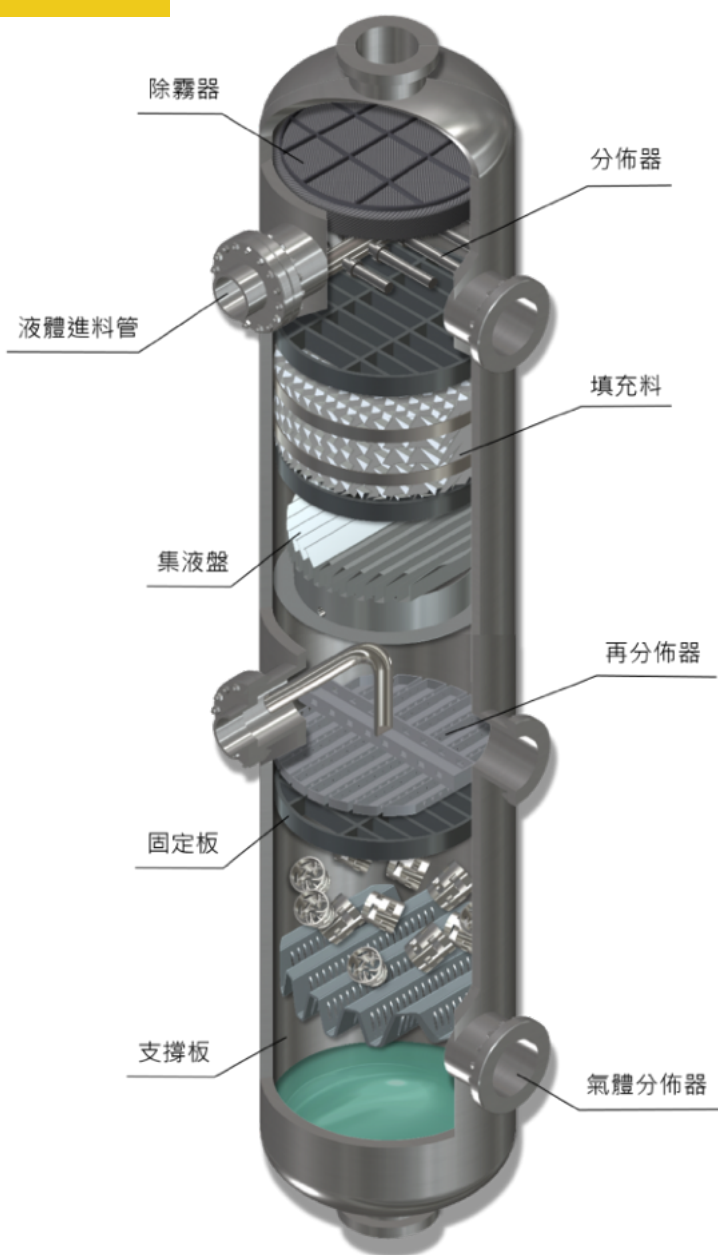
CUSTOM SIMULATION SOLUTIONS



HYDRA® SIMULATION SOFTWARES



雍原
化工
模擬
軟體
應用



- 除霧器
- 進料管
- 分佈器
- 集液盤
- 再分佈器
- 固定板
- 支撐板

客製化設計解決方案

CUSTOM DESIGN SOLUTIONS

- MIST ELIMINATOR
- LIQUID FEED PIPE
- LIQUID DISTRIBUTOR
- LIQUID COLLECTOR
- LIQUID REDISTRIBUTOR
- SUPPORT PLATE
- BED LIMITER

塔內件

雍原塔內件®提供最全面性塔內件的設計與服務，在化學操作方面，能達到最佳運作效率，在營運成本方面，能達成最佳商業目標。

COLUMN INTERNALS

HYDRA® COLUMN INTERNALS is custom-designed to optimize column performance, combining the latest developments in technology and other relevant factors, including material and operational costs, to achieve both business and optimal efficiency goals.

雍原散堆填料®提供最全面的散堆
填料設計和材料，各填料產品都經
過精密設計，可創造最大的氣液接
觸表面積，從而優化蒸餾、吸收和
汽提等化學分離過程的效率。



客製化生產成型

CUSTOM PRODUCTION MOLDING

RANDOM PACKINGS

05

散堆 填料

陶瓷
塑料
金屬

- 葉片圈型拉氏環 (阶梯环)
- 拉氏環 (矩鞍环)
- 馬鞍環 (矩鞍环)
- 特殊形拉氏環 (特殊形矩鞍环)
- 皇冠拉氏環 (海尔环)
- 立體六角型拉氏環 (兰帕克)
- 圈型拉氏環 (鲍尔环)
- Q型拉氏環 (Q帕克填料)
- 圈型拉氏環 (拉西环)
- 特殊拉氏環 (超级拉西环)
- 特殊型拉氏環 (雪花环)
- 雙星球型拉氏環 (环保球)
- [歡迎諮詢其它雍原散堆填料®](#)

- CMR Rings
- IMTP Rings
- Intalox Saddles
- Intalox Ultra Rings
- Heilex Rings
- Lanpack Rings
- Pall Rings
- Q Pac
- Raschig Rings
- Raschig Super Rings
- Snowflake Rings
- Tripacks
- [Please inquire about other HYDRA® random packings](#)

CERAMIC
PLASTIC
METAL

HYDRA® RANDOM PACKINGS offers the most comprehensive designs and materials of random packing, and each engineered to create surface area for maximum vapor-to-liquid contact to optimize efficiency in chemical separation process of distillation, absorption and stripping.

催化瓷鋁球 CATALYST SUPPORT

客製化生產成型

CUSTOM PRODUCTION MOLDING

HYDRA® CERAMIC BALLS
雍原瓷球



HYDRA® ALUMINA BALLS
雍原鋁球



HYDRA® ACTIVATED ALUMINA
雍原活性氧化鋁



雍原催化瓷鋁球®加速氣體或液體在反應罐或吸附塔中的分佈均勻性；覆蓋或支撐強度較弱的催化劑和吸附劑，以延長其使用壽命，產品包括瓷球，鋁球和活性氧化鋁。

HYDRA® CATALYST SUPPORT of Alumina, Activated Alumina, and Ceramic Balls accelerate the distribution uniformity of gas or liquid in the reaction tank or adsorption tower; and to cover or support catalysts and adsorbents with weak strength to prolong their service life.



HYDRA® ABRASIVES includes Aluminum Oxide and Silicon Carbide for production and application of blasting, grinding, and polishing.

ABRASIVES 工業磨料

雍原工業磨料® 包括氧化鋁和碳化矽，
用於噴砂、研磨和拋光的生產和應用。

HYDRA® BROWN FUSED ALUMINA OXIDE



雍
原
氧
化
鋁
砂

客戶指定材質及成分需求

**CUSTOMER SPECIFIED MATERIAL
AND CONTENT REQUIREMENTS**



INDUSTRIAL CLAYS 工業粘土

客戶指定材質及成分需求

**CUSTOMER SPECIFIED MATERIAL
AND CONTENT REQUIREMENTS**

雍原工業粘土® 包括高嶺土、膨潤土、海泡石/坡縷石、普通粘土和頁岩。

HYDRA® INDUSTRIAL CLAYS includes Kaolins, Bentonites, Sepiolite/Palygorskite, Common Clays, and Shales.



化工原料

雍原化工原料® 包含塗料、粘合劑、密封劑、彈性體)、阻燃劑、矽烷、酸、水處理、中間體、肥料/作物營養和聚合物添加劑。



- 活性白土 (活性漂白土)
- 活性炭煤
- 活性炭椰殼 (活性炭椰壳)
- 己二酸
- 鋁珠 (铝珠)
- 硼酸
- 碳酸鈣 (碳酸钙) 石灰石
- 硬脂酸鈣 (硬脂酸钙)
- 過硫酸鉀 (过硫酸钾)
- 無水碳酸鈉 (无水碳酸钠)
- 車用尿素 (车用尿素)
- [歡迎諮詢其它雍原化工原料®](#)

CHEMICALS

HYDRA® CHEMICALS supports businesses of C.A.S.E. (Coatings, Adhesives, Sealants, Elastomers), Flame Retardants, Silanes, Acid, Water Treatment, Intermediates, Fertilizer/Crop Nutrition, and Polymer Additives.

- **Activated Bleaching Earth**
- **Activated Carbon Coal**
- **Activated Carbon Coconut Shell**
- **Adipic Acid**
- **Aluminum Bead Pellets**
- **Boric Acid**
- **Calcium Carbonate Lumps**
- **Calcium Stearate**
- **Potassium Persulfate**
- **Sodium Carbonate Anhydrous**
- **Urea Automotive Grade**
- [Please inquire about other HYDRA® chemicals](#)

客戶指定材質及成分需求

CUSTOMER SPECIFIED MATERIAL AND CONTENT REQUIREMENTS



半導體原料

雍原半導體原料® 供應有關半導體製造的主要化工原料，包括：鋁、砷、硼、碳、鎵、鍺、氮、磷、矽。

SEMICONDUCTOR MEDIA

HYDRA® SEMICONDUCTOR MEDIA supports businesses of semiconductor manufacturing processes, including global procurement and supply chain management of key raw materials: Aluminum, Arsenic, Boron, Carbon, Gallium, Germanium, Nitrogen, Phosphorus, Silicon, etc.

