

What are dreams made of?

FOUNDED IN  
**1952**

- 3 generations achieving a dream.
- Based in Barcelona.
- Worldwide presence with 2.000+ installations.



**Riera Nadeu** 

FOUNDED IN  
**1952**

- 3 generations achieving a dream.
- Based in Barcelona.
- Worldwide presence with 2.000+ installations.



FOUNDED IN  
**1952**

- \_3 generations achieving a dream.
- \_Based in Barcelona.
- \_Worldwide presence with 2.000+ installations.



FOUNDED IN  
**1952**

- \_3 generations achieving a dream.
- \_Based in Barcelona.
- \_Worldwide presence with 2.000+ installations.



FOUNDED IN  
**1952**

- 3 generations achieving a dream.
- Based in Barcelona.
- Worldwide presence with 2.000+ installations.



**A standard in quality and innovation**

**Leader in the most demanding industries**

- Filtering batch centrifuges for Pharma process.
- Horizontal and vertical designs.
- Automatic discharge.



**A standard in quality and innovation**

**Leader in the most demanding industries**

- \_Filtering batch centrifuges for Chemical process.
- \_Horizontal and vertical designs.
- \_Automatic and manual discharge.



**A standard in quality and innovation**

**Leader in the most demanding industries**

- \_Decanting batch centrifuges for Biotech or Pharma process.
- \_Sterilization In Place design.
- \_Automatic and manual discharge.



**A standard in quality and  
innovation**

**Leader in the pharmaceutical and chemical industries**

- Supercentrifuges.
- High speed decanting tubular rotor design.



**riera nadeu**  
[www.rieranadeu.com](http://www.rieranadeu.com)

**A standard in quality and innovation**

**Leader in the pharmaceutical and chemical industries**

- Continuous filtering centrifuges.
- High throughput process.



**A standard in quality and  
innovation**

**Leader in the pharmaceutical and chemical industries**

- RINA Flash Dryers.
- Atomization or wet solid drying.



**A standard in quality and  
innovation**

**Leader in the pharmaceutical and chemical industries**

- RINA Spray Dryers.
- Open circuit or close loop ATEX design.



**A standard in quality and innovation**

**Leader in the pharmaceutical and chemical industries**

RINA Jet Mills.

Fine and homogeneous particle size distribution.



**A strong commitment**

**To customers and projects.**

- \_Several references within the most important leaders of the industry.
- \_Highest satisfaction of our partners.



**ESTEVE**

**MERCK**



**GRIFOLS**

**SANDOZ** A Novartis Division

**BASF**  
We create chemistry



**SANOFI**

© *Johnson & Johnson*

**ARKEMA**  
INN V TIVE CHEMIST

**FAREVA**

أرامكو السعودية  
saudi aramco

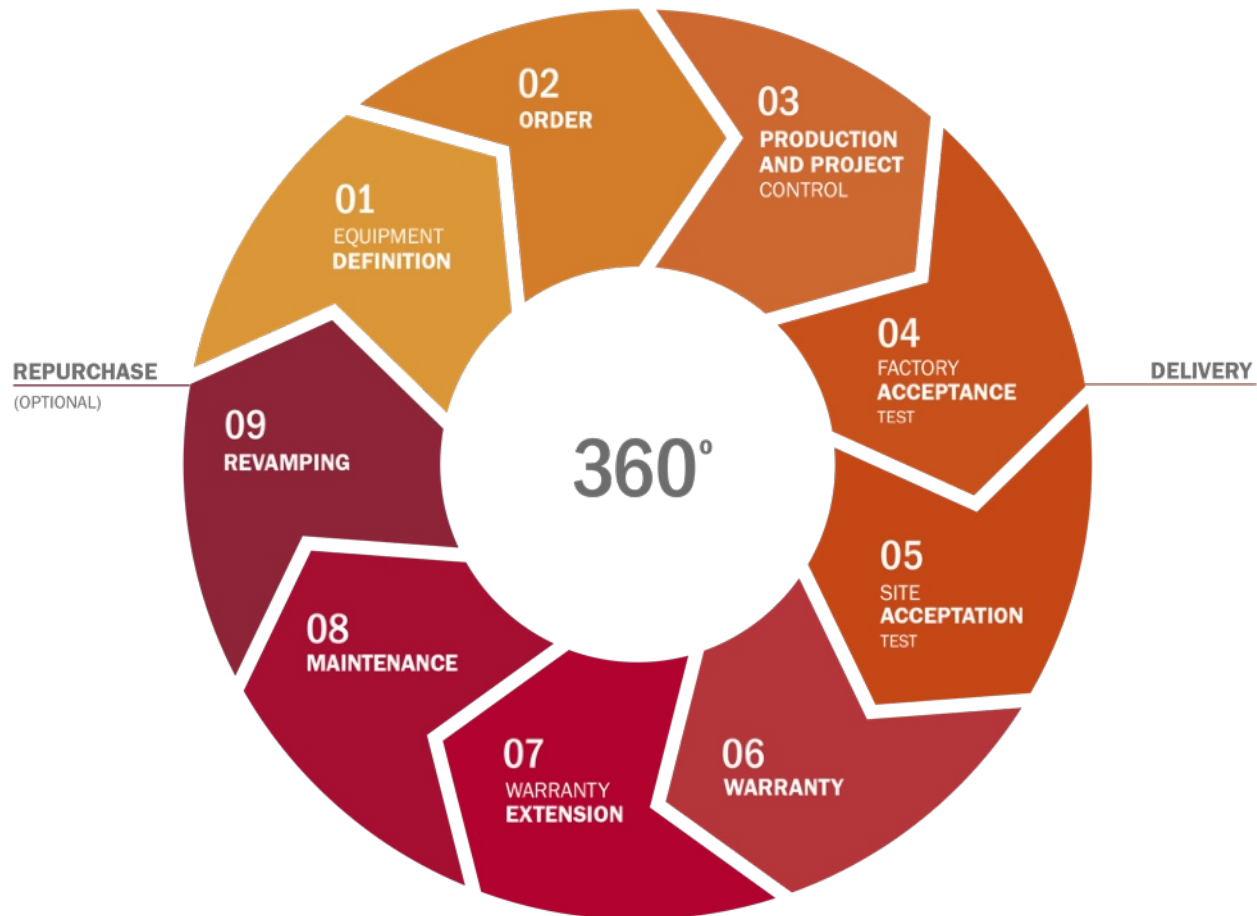
**MOEHS**  
FINE CHEMICALS

**ALBEMARLE®**



**A strong commitment**

— Long-term cooperation during the whole life cycle of your projects.



**A strong commitment**

**Pre-sales and Engineering advices for the best solutions.**



**A strong commitment**

- \_RINA Services for commissioning, start-up and training.
- \_RINA Services for technical support and process optimization.
- \_RINA Services for spare parts, maintenance and urgent assistance



**A strong commitment**

**Maximum quality of works performance.**



100% Made in  
Barcelona

— Ethic commitment to our ecosystem: people, ecology and energy.  
— Quality system ISO.  
— Lean Manufacturing.



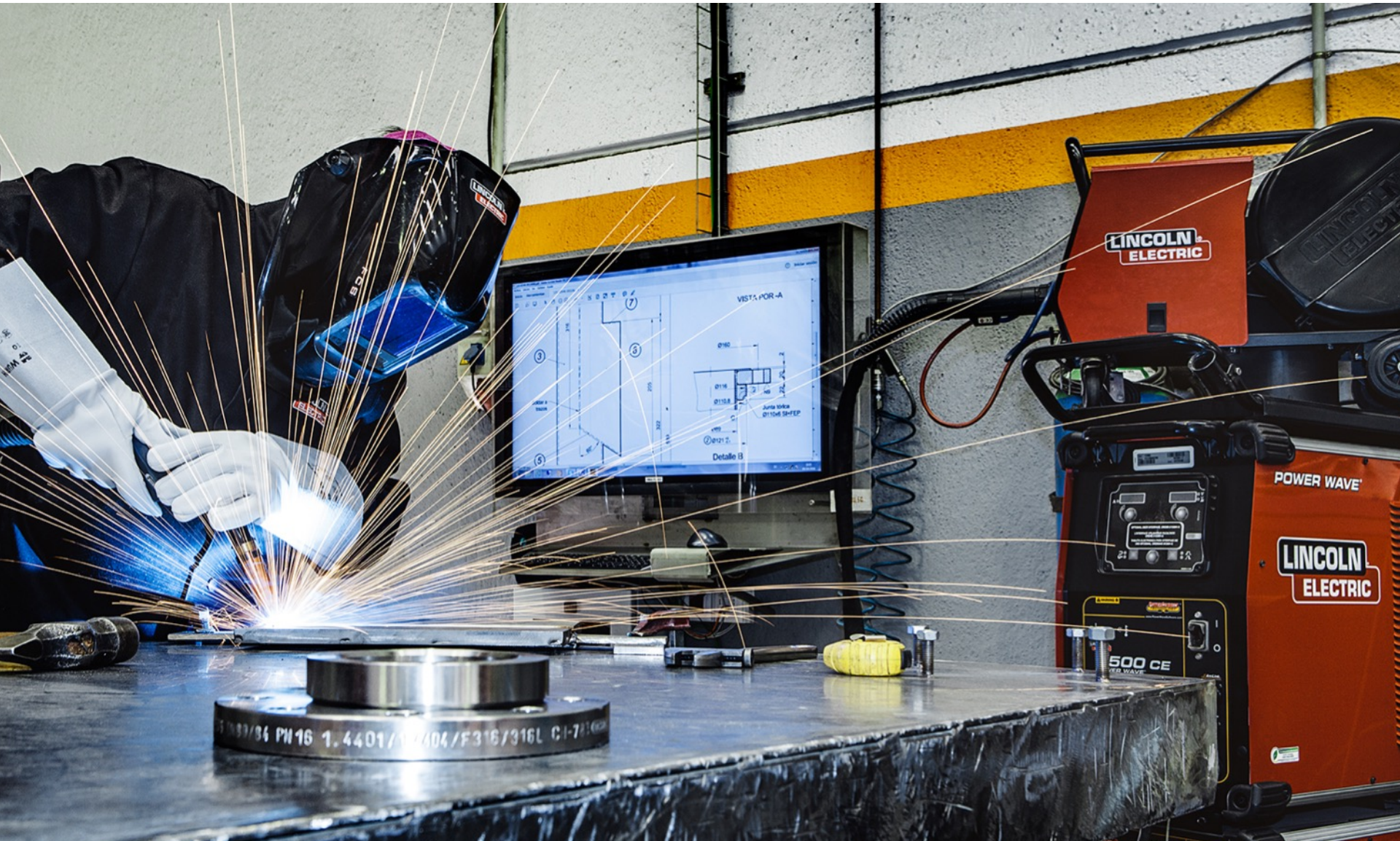
**100% Made in  
Barcelona**

- Manufacture and assembling are 100% done at our Barcelona facilities.
- All processes in the project are 100% digitally controlled.



**100% Made in  
Barcelona**

— Manufacture and assembling are 100% done at our Barcelona facilities.  
— All processes in the project are 100% digitally controlled.



**100% Made in  
Barcelona**

- Manufacture and assembling are 100% done at our Barcelona facilities.
- All processes in the project are 100% digitally controlled.



**100% Made in  
Barcelona**

Manufacture and assembling are 100% done at our Barcelona facilities.  
All processes in the project are 100% digitally controlled.



**100% Made in  
Barcelona**

- Manufacture and assembling 100% done at our Barcelona facilities.
- Tailor made automation solutions.



Opportunities don't happen,  
You create them

Laboratory Test Center to define the best process solutions  
for your requirements.



**Opportunities don't happen,  
You create them**

High skilled expertise to secure your investment.



**Opportunities don't happen,  
You create them**

**\_Exclusive and innovative solutions.**



**Opportunities don't happen,  
You create them**

**\_Cooperating with the best elec & automation standards in the market.**



**Opportunities don't happen,  
You create them**

Efficient spare parts and service management to secure the performance of your plant.



**Differentiation  
& exclusivity**

**Long experience in the most demanding industries**



**Riera Nadeu  
for:**



**Biotech**



**Fine Chemical & Pharma**



**Food**



**Basic Chemical**



**Mining**



**Oil & Gas**

















**Upcycling**

## Differentiation & exclusivity

- Ethic commitment to our ecosystem: people, ecology and energy.
- External audits and Quality system ISO 9001.
- Lean Manufacturing.



	Marking	Explosive atmosphere	Standards	Classification	Protection levels	Protection levels	Good practices
Europe	Certification  Conformité Européenne 2006/42/EC Machines Directive 2014/35/UE LVD Low Voltage Directive) 2014/30/UE EMC (Electromagnetic Compatibility)	 International Electrotechnical Commission System for Certification to Standards Relating to Equipment for Use in Explosive Atmospheres	<b>(IEC)</b> International Electrotechnical Commission	IEC Classification IEC 60079	   IEC/ATEX Equipment Protection Level (EPL) ATEX directive (ATEX 2014/34/EU)	<b>IP Rating</b> Ingress Protection Codes IPxx (IEC 60079)	  
US / Canada	Approval  Underwriters Laboratories Underwriters Laboratories of Canada		<b>(NEC/CEC)</b> National Electrical Code/Canadian Electrical Code	ANSI/NFPA 70 NEC Article 505	  	 NEMA Enclosure Types)	
Russia	Approval  Euro-Asian Council for Standardization, Metrology and Certification (EASC)						

Based on CE standards or other request



PRODUCT MAP									
Centrifuge Separation					+	Drying		+	Milling
Suspension			Liquid/Liquid mixture			Solution/Suspension	Wet solid		Dry powder
Batch filtering	Batch decanting	Continuous filtering	Continuous decanting			Continuous atomization feed	Continuous conveying feed		Continuous injection
RINA 200F Vertical Manual	RINA 200D Vertical Manual F/D	RINA 500F Vertical	RINA SRP S			RINA Flash Dryer	RINA Flash Dryer		RINA Jet Mill Vertical Manual F/D
RINA 300F Vertical Automatic	RINA 300D Vertical Automatic F/D					RINA Spray Dryer			
RINA 700F Horizontal Automatic	RINA SRP C Manual								
	RINA SRP AD Automatic								
Wet Solid + Liquid				2 separated liquids		Dry Powder			Powder <10µm
Biotech design Life science industry	✓	✓				✓			
Pharma design Fine chemical industry Food industry	✓	✓	✓	✓		✓	✓		✓
Food grade design Agrochemical industry						✓	✓		✓
Chemical design Bulk chemical Mining industry Oil & Gas Upcycling	✓		✓	✓			✓		✓

