

WHEN TRUST MATTERS

**YOUR PRODUCTS ARE VALUABLE  
PUT THEM IN PROFESSIONAL HANDS**



FULL SERVICE  
CONTRACT  
MANUFACTURING



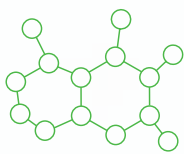


WHO OFFERS THE FULL  
RANGE OF CONTRACT  
MANUFACTURING  
SERVICES AND  
GUARANTEES EFFICIENT  
COOPERATION?

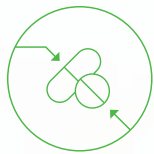
**THAT'S US !**

Rich in tradition yet state of the art, driven by the engagement of our employees you have found an exceptional production location for pharmaceutical products and nutritional supplements. Using our unique service offer and expertise, R-Pharm Germany GmbH supports customers in achieving the results that count – quickly and cost effectively.

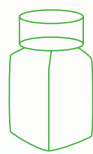
- FORMULATION & DEVELOPMENT
- SCALE UP, PRODUCT LAUNCH
- MANUFACTURING (OEB 1 – 5)
- PACKAGING
- ANALYTICS
- DISTRIBUTION



DEVELOPMENT



MANUFACTURING



PACKAGING



ANALYTICS

**INDIVIDUAL SUPPORT  
IS OUR ESSENTIAL KEY  
TO SUCCESS**



# FORMULATION & DEVELOPMENT



We started with simple manufacturing and packaging, but, thanks to our increasing experience and continuous corporate growth, we offer the full range of contract and development manufacturing services (CDMO).

## KEY FIGURES

- COMPLEXITY OF 1,500 SKUs
- 6,000 ORDERS ANNUALLY
- 150 YEARS OF EXPERIENCE IN MANUFACTURING
- PRODUCTS FOR MORE THAN 150 COUNTRIES
- 12,000 M<sup>2</sup> PRODUCTION AREA
- CAPACITY OF 4 BILLION UNITS

## HISTORY

1849

Foundation  
Heinrich Mack  
GmbH



1860

Opening  
Production Plant  
Illertissen

1934

First  
Pharmaceutical  
Product based on  
Bee Venom



1971

Pfizer Inc.  
Acquisition



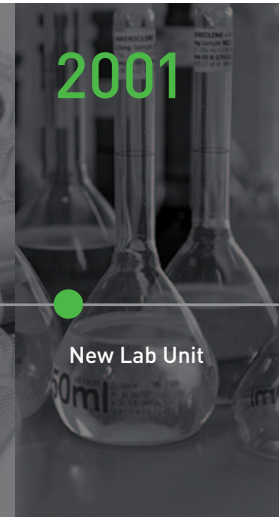
1996

Commissioning  
of Automated  
Packaging Unit



2001

New Lab Unit



# INNOVATION. FOCUS. PERFECTION.

## FULL SERVICE PORTFOLIO

Our long-standing site in the south of Germany represents current **state-of-the-art technology** and covers a wide range of contract manufacturing services – starting with the **formulation** and analytical **development** of medicinal products and nutritional supplements as well as the **optimization of formulation concepts**.



The new facility **PPDC** (Product and Process Development Center) enables **product development** as well as flexible and commercial **small-scale** manufacturing even for **high potent** substances.

2003

First FDA  
Certification



2008

Center of  
Excellence  
Containment  
Production

2009

Center of  
Excellence  
Wallet  
Packaging

2010

Serialization  
and Aggregation  
(Track & Trace)

2014

R-Pharm  
Acquisition



2017

Opening PPDC  
(Product  
and Process  
Development  
Center)

# MANUFACTURING



R-Pharm Germany GmbH covers a wide range of manufacturing possibilities for solid dosage forms of **medicinal products** and **food supplements**. Both experience the same diligence and quality standards.







## QUALITY. COMPETENCE. STANDARDS.

### CONVENTIONAL MANUFACTURING

For methods in the range **OEB 1 to 3**, we have a highly flexible production facility at your disposal with 12,000 m<sup>2</sup>, spread above three levels.

We offer a capacity to manufacture 4 billion units of **various solid dosage forms** under GMP compliant conditions in top quality.

Flexibility is our strength: therefore, we constantly invest in new technologies and processes.

### HIGH POTENT MANUFACTURING

We offer several segregated production units to manufacture **OEB 4/5** products with different batch sizes – starting with 0.5 to 20 kg, up to 700 kg.

**The „NEWCON“** (New Containment Facility)

The production unit sets standards in terms of process robustness and process safety. The application of a **fully automated** process flow of several batches in parallel allows **cost-effective containment** solutions.

**The PPDC** (Product and Process Development Center) expands our service portfolio in the area of high potent manufacturing for **manual** and **flexible** small-scale orders.

# PACKAGING



Our team and **fourteen packaging lines** are available in multi-shift operation providing a capacity of **120 Mio. sales units**. We offer innovative packaging solutions and allow a quick and secure commercialization of your product. More than **eight decades of experience** in packaging of pharmaceutical and nutritional products enable our customers' growth and success.





# FLEXIBILITY. EXPERIENCE. SOLUTIONS.

## SOLID DOSAGE FORMS

With our **broad range** of **packaging solutions** for small to large-scale order sizes we specifically and flexibly meet the needs of our customers. Whatever packaging requirements your product calls for, our segregated primary and secondary packaging area allow us to meet various product requirements and to pack even **high potent** formulations in a very efficient and secure way.

- BLISTER
- BOTTLE
- WALLET
- STICK PACK
- CUSTOMIZED PACKAGING SOLUTIONS

## SERIALIZATION AND AGGREGATION

The effective protection against counterfeiting (Track & Trace) is essential to ensure customer safety, brand protection and a transparent supply chain.

We serialize and aggregate according to our **customer needs**: integrated, combined or manual – on all serialization and aggregation steps for all market standards and **regulatory requirements**.

With a well-established and intelligent **IT infrastructure**, we meet highest qualitative and technical standards at all levels of data and event communication.



# ANALYTICS



Quality is more than a standard - our aim is to ensure quality systematically within the process and to embed **supreme standards** as a contribution for process excellence. Naturally, all documentation & data reporting is done in accordance with current **GMP** guidelines.



# AGILITY. KNOW-HOW. RELIABILITY.

## QUALITY CONTROL & RELEASE

Our Quality Control Division with 40 qualified laboratory staff members supports you in the development, optimization and quality control of your products:

- Analysis and release of pharmaceutical active ingredients, excipients and medicinal products
- State-of-the-art method optimization
- Method development and validation of all dosage forms
- Lab-to-Lab-transfer (method transfer)
- Analysis of highly active substances in our safety lab

For companies beyond the European economic area we offer to perform analysis (EU-Gate Testing) to support the EU-batch release.

## STABILITY STUDIES

We advise and support the planning of stability studies including custom-made test plans and take over the entire sample management.

Your stability samples will be stored under various climatic conditions in modern climate chambers with continuous monitoring:

- Climatic zone I / II: 25°C/60% r.h.
- Climatic zone III / IVa: 30°C/65% r.h.
- Climatic zone IVb: 30°C/75% r.h.
- Accelerated: 40°C/75% r.h.
- References: 5°C

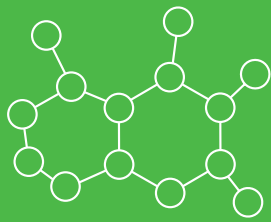




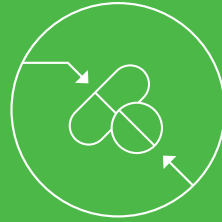


**TAKE ADVANTAGE OF OUR BROAD  
SERVICE PORTFOLIO AND EXPERIENCE**





DEVELOPMENT



MANUFACTURING



PACKAGING



ANALYTICS

WHEN TRUST MATTERS



**R-PHARM**  
Germany GmbH

## ACTING SUSTAINABLE

The corporate culture at the Illertissen site always aims at living up to its **responsibility** towards our employees and the environment. We live and breathe „**Green Awareness**“ and **compliance** every day! Therefore, an integrated management system for occupational safety, environmental protection and health care is in place in Illertissen since many years.

## HIGHEST FOCUS ON QUALITY

We take our **responsibility** seriously. Therefore **quality** and quality assurance are our top priorities – a matter of trust. Our exemplary quality system ensures reliable and safe services.

## CONTACT US





# OUR UNIQUENESS

## APPROVED BY AUTHORITIES:

- US FDA
- Korean FDA
- NAFDAC
- Ministry of Trade and Industry of the Russian Federation
- EMA
- Saudi Arabia
- Turkish MOH
- and more
- ANVISA
- PMDA Japan

## CERTIFICATIONS:

- ISO 14001 / OHSAS 18001 / ISO 50001

## REFERENCES:

- ISPE Category Winner Process Innovation & Overall Facility of the Year Winner 2008 ("Newcon")
- Packaging HCPC Columbus Awards Winner 2011
- 10 Pfizer Customer Service Awards for best consistent performance



## IT'S A MATTER OF TRUST!

## R-PHARM GERMANY GMBH

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Phone: +49 (0)7303 12 - 0

Website: [www.r-pharm.de](http://www.r-pharm.de)

### Contract Manufacturing Request

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WHEN TRUST MATTERS



**R-PHARM**  
Germany GmbH

**FOR ADDITIONAL INFORMATION  
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