



CHÂTEAUNEUF-EN-THYMERAIS

# General site information



Headcount:

# 272



### Authorizations:



KOREA



USA



FRANCE

### Product Forms:

Complex Oral Solid Dosage  
(controlled release, immediate release)



Number of units produced: **1.5+** Billion doses

### Strong expertise



manufacturing and testing of controlled release Oral Solid Dosage and large volume batches

### Equipment:

- 6 Fluid Bed Coaters (batch size 300-600 kg)
- 20 Conventional coating pans
- 3 Tableting
- 4 Capsule filling





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# Granulation and pellets coating in Fluid Bed Coater

## PRODUCTION CAPACITY:

**250 tonnes**  
per year



## CAPABILITIES AND EXPERTISE:

- Manufacture of microgranules by spraying API solution or suspension on sugar microspheres
- Coating of microgranules to control dissolution profile (Immediate release, Prolonged release, Delayed release)
- Coating of API crystals for Fast Disintegration and/or Taste Masking
- Aqueous or Alcohol based process



## EQUIPMENT:

- Mobile or dedicated solution preparation vessels ranging from 25 litres to 1000 litres, with heating and cooling jackets
- 6 Fluid Bed Dryer/Granulator/Coater
  - 1 Glatt CPCG 300 Wurster 32" or 46" (600 kg)
  - 2 Huttlin HDGC 600 with 200 insert (300 to 600 kg)
  - 2 Glatt CPCG 120 Wurster 18" or 32" (300 kg)
  - 1 Glatt WS Combo 750 (300 kg)
- 1 granulator (Lödige)
- Various types of online grinders and sieves
- 2 Tumble blenders
- Intermediate Bulk Containers ranging from 460 to 1700 litres
- RTO: Regenerative Thermal Oxidizer designed to eliminate 100% of alcoholic effluents issued from production processes



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# Manufacture of microgranules in Conventional Coating Pans

## PRODUCTION CAPACITY:

**50 tonnes**  
per year



## CAPABILITIES AND EXPERTISE:

- Manufacture of microgranules by loading API powder on sugar microspheres
- Coating of microgranules to control dissolution profile (Immediate release, Prolonged Release, Delayed Release...)
- Aqueous or Alcohol based process
- Batch sizes ranging from 80 kg to 650 kg

## EQUIPMENT:

- Mobile or dedicated solution preparation vessels ranging from 40 litres to 150 litres
- 20 Coating pans 450 litres
- Oxydator designed to eliminate 100% of alcoholic effluents issued from production processes
- RTO : Regenerative Thermal Oxidizer





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# Manufacture of Tablets and Hard Gelatine Capsules

## PRODUCTION CAPACITY:

**400 million** tablets and  
**1000 million** capsules per year



## CAPABILITIES AND EXPERTISE:

- Manufacture of tablets from granulated product, direct compression or a mix of microgranules and excipients
- Tablet coating
- Filling of hard gelatine capsules (sizes 0 to 4)

## EQUIPMENT:

- 1 Tablet press Fette 2090 (200,000 tab/h)
- 1 Tablet press Fette 3090 (700,000 tab/h in twin infeed)
- 1 Tablet press Courtoy Module P fitted with a unique system for mixing microgranules and excipients (180,000 tab/h)
- 3 Capsule fillers GKF 1500 with online checkweigher (80,000 caps/h)
- 1 Capsule filler GKF 2500 with online checkweigher (150,000 caps/h)
- 1 Tablet coater Vigor-Seux (150 kg)





CHÂTEAUNEUF-EN-THYMERAIS

**QC Laboratories**



## More than 50 different types of Laboratory equipment

### CAPABILITIES AND EXPERTISE:

- Testing of oral solid dosage forms
- Analytical method development and transfer
- Trouble shooting
- Stability studies
- Microbiology Lab
- Digitalized analytical activities (LIMS)

### EQUIPMENT:

- 21 HPLC
- 2 UPLC
- 4 Gas Chromatographs
- 22 dissolution baths
- 19 UV, IR or Raman Spectrometers
- Particle sizers

