

HOSPITAL & CLINICAL SOLUTIONS

# A NEW GENERATION ROBOT FOR AGILE PRODUCTION OF ANTI-CANCER TREATMENTS

PHARMODUCT

## CONTEXT AND NEEDS

Recent evidence suggests growth in the demand of chemotherapy of 6.1% in the next 5 years (market research future, 2020), making chemotherapy production an ever increasing challenge for Oncology pharmacies.

The scientific community has long underlined

# THE IMPORTANCE OF APPLYING **PERSONALIZED TREATMENT PROTOCOLS**

to define the most appropriate therapeutic path.

### PHARMACIES TODAY NEED:

- Secure handling procedures to minimise risks
- Residue managing for expensive molecules
- To increase productivity
- Monitoring direct and indirect costs
- Trace procedures and information
- Evolve towards multi-site models



## SOLUTION

### PHARMODUCT IS A NEW GENERATION ROBOT

for preparing anti-cancer treatments, which enables healthcare institutions to plan their future and quickly respond to changes in demand both on single and multisite institutions.

Based on an innovative Lean Healthcare approach Pharmoduct is a game changer within the oncology workflow, by fully optimising the anti-cancer treatment preparation process.

Pharmacists can now manage requests from home departments and from those of other ordering institutions and organize their preparation on a modern and flexible scheduling.

### PRODUCTIVITY, ADAPTABILITY, AND SAFETY

are at the basis of Pharmoduct; Dedalus professionals can support Healthcare Structures in effective change management when adopting new technological solution for a true Continuum of Care.



## BENEFITS

# PHARMODUCT, AN INNOVATIVE LEAN HEALTHCARE SYSTEM

### KEY BENEFITS

- **Safety:** technicians avoid direct handling of highly toxic products
- **High productivity:** preparation volume reaching 20 final containers per hour, Pharmoduct allows for growth in a pharmacy's production capabilities without the need of extending production hours
- **Quick return on investment:** better use of drug residue recollecting the overfills of pharmaceutical vials, using an acquisition process which is unique on the market
- **Clinical risks are reduced:** while increasing safety for operations

## STERILITY ACCURACY PROTECTION



## AUTOMATED MEDICAL DEVICE FOR CHEMOTHERAPY DOSES SET-UP

## STRENGTHS

### KEY FEATURES

- Class Im Medical Device certified
- Separated rooms ensure no cross-contamination during all parts of the process
- Ozone decontamination system
- Sterile ISO Class 5 system (EN ISO 14644 standard – “class A” directive)
- Equipped with 3 gravimetric measurement systems ensuring 1/100 grams dosage precision
- Advanced Vision System and Rfid for recognition and traceability (Barcode - QR Code - Datamatrix - OCR)
- Easy to install and configure in a clean-room ensuring activity in the pharmacy remains uninterrupted
- Multi-dose bags (pharmacy bulk package) with more than 300 different drugs
- Able to fill multiple formats containers (bags, syringes, ...)
- Built-in touchscreen LCD monitor for the best user experience
- Completely interoperable with any oncological enterprise software, through HL7 or web services





# Dedalus

[www.dedalus.com](http://www.dedalus.com)



pharmoduct

Pharmoduct® is a medical device manufactured by Bioduct®

## About Dedalus

Dedalus is the leading healthcare and diagnostic software provider in Europe and one of the largest in the world. With its innovative framework of comprehensive and process-oriented solutions, Dedalus enables a revolutionary digital transformation of country-wide Healthcare Systems fully supporting the patient digital journey. Dedalus serves more than 6,100 private and public hospitals across 40 countries, through more than 5,500 highly specialized resources, of which 2000 are dedicated to R&D activities. We aim to help caregivers and healthcare professionals to deliver better care to the communities they serve and for this reason we are very proud of doing a special job, working with healthcare organisations to improve healthcare outcomes for patients.

Life flows through our software.

For more information, visit [www.dedalus.com](http://www.dedalus.com)