

Purchase Agreement

Agreement governing the purchase of software and equipment

The Norwegian Government's Standard
Terms and Conditions for IT Procurement
SSA-K

Tender for delivery of Unit Dose Dispensing
and Packaging Machine for the Hospital
Pharmacies Enterprise – South Eastern
Norway

K Appendix 3: Customer technical platform

Customer: Sykehusapotekene HF

Contractor: <Contractor name>

Saksnummer: 2019/0009



This appendix should not be filled out by the Contractor upon submission of proposal.

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1. Introduction

This appendix describes a unit dose dispensing and packaging process at Sykehusapoteket Østfold, Kalnes and related information to this production line. Other relevant information, which may be important for the Contractor to be aware of, is also included.

2. Process for packaging medication into unit dose

The process for dispensing and packaging medication into electronically identifiable unit doses contains several steps. Our products are available in three different package sizes; 5, 20 or 50 unit doses.

The ERP¹-system generates a production proposal. An operator provides a unique lot number for each production, from a production journal. Operators generate paper worksheets and correct amount of labels prior to production. In the worksheet, the operator types e.g. the production's lot number, expiry date, quantity (e.g. 10 x 20 unit doses).

The operator then enters data into a unit dose software. The software and a dose dispenser server are integrated. Operators apply labels onto the cardboard boxes. Both the unit doses and the secondary packages contain bar codes with a predefined article number. The article number of the drug connects master data in all software to ensure printing of correct labelling during dispensing.

Prior to dispensing, operators use bar codes for identification and linking the original product (to be re-packed) to the cassette number and cassette docking in the dispensing machine.

Post-production, operators conduct a visual examination on every dose bag. Thereafter, they count, tear off the strip of e.g. 20 bags, roll and place them into the pre-labelled secondary package.

The product is available for sale after approval by both a production pharmacist and a control pharmacist.

¹ Enterprise Resource Planning. The current ERP system, FarmaPro, will be replaced within a few years time.



3. Production volume and number of users

Today's production volume is about 800.000 unit doses per year. The total production volume for the offered solution is expected to increase up to about 2.000.000 unit doses per year. Operating hours are estimated to be 7,5 work hours daily, 5 days a week, 52 weeks a year.

Four users from Sykehusapoteket Østfold, Kalnes will participate in the implementation process. After implementation, the number of total users will increase to approx. 12 users.

4. Delivery address

The Offered Solution shall be delivered to and installed at the following address:

Sykehusapoteket Østfold, Kalnes, HF-26
Kalnesveien 320,
1712 Grålum
Norway

5. Location and area for the offered solution

The offered solution will be placed in a 22 sq metre production room classified as a clean room class D according to Good Manufacturing Practice. The room has a ceiling height of 2500 mm, **but the floor area available for operating and maintaining the offered solution is 2000 mm x 2000 mm (W*D), approximately.** In addition to the offered solution, this area must also include space to store additional equipment, the workspace necessary for an operator to operate the offered solution, and the space necessary to conduct maintenance. Measurements specified herein is the maximum tolerated area, and we ask the Contractor to take this into careful consideration.

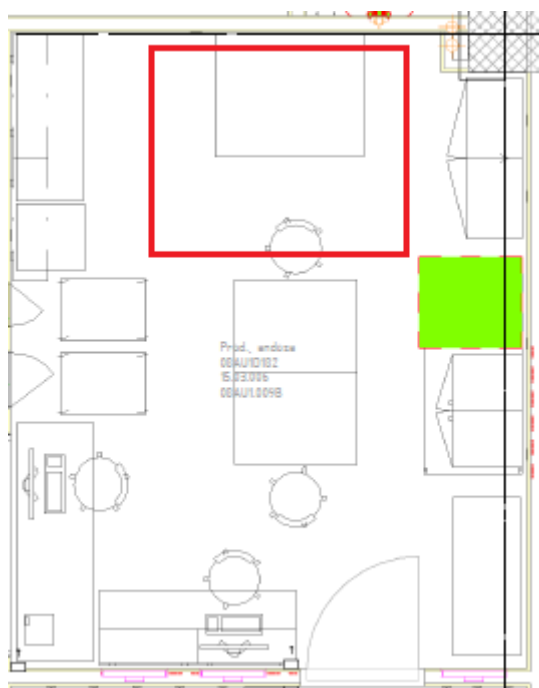


Figure 1: Overview over the production room and assigned work area for the offered solution (red square)



6. Load capacity of the production floor

Load capacity on production floor is limited to 6 kN/m², which is 600 kilograms per square meter.

7. Transportation path

Delivery of the hardware included in the offered solution shall be at the Østfold, Kalnes hospital's goods receipt warehouse. From the warehouse to the pharmacy, the pathway follows a 400-meter alleyway, where the critical point is the size of the door: 2100 mm high and 1020 mm wide. The hardware and necessary transportation equipment must fit through this door, in order to access the designated production room. All adaptations and extra costs connected to adaption of the designated operation room, in relation to transportation of the Offered Solution to the assigned work area must be explicitly specified, and will be subject to the Customer's consideration.

8. Ventilation system and Air supply

There is currently no dedicated ventilation system for in/exhaust/cooling, and currently no access to air supply for e.g compressed air. All adaptations and extra costs connected to adaptations of the designated operation room must be explicitly specified, and will be subject to the Customer's consideration.

9. Power connections and electric supply

There are 4 available outlets, 16A shuko electric cord (European, 220-240V) for the Offered Solution. All adaptations and extra costs connected to adaptations of the designated operation room related to power connections and electric supply, must be explicitly specified, and will be subject to the Customer's consideration.

10. Network

The contracting Authority will provide a network/internet connection, through an Ethernet net-cable connection. The maximum amount of network access points available for the Offered Solution is 4. The internet speed will be minimum 10MB/s and a maximum of 100MB/s. This will be determined by which platform the Offered Solution is (or needs to be) placed on. All adaptations and extra costs connected to adaptations of the designated operation room related to accessible internet connection and/or internet speed, must be explicitly specified, and will be subject to the Customer's consideration.