

CLIENT CASE STUDY

# The transformation of the Becton Dickinson glass syringe production network

Expleo helped Becton Dickinson (the world leader in glass syringe production) deliver production transfer projects to increase production capacities and local implantations.



Pharmaceutical & Life Sciences



20 production line transfer projects in 4 sites around the world



1.5 billion BDM-PS glass syringes produced per year



1 project team of 4 quality engineers



4-year program



Transformation of the production network for capacity increase and greater supply flexibility

## Project background & challenge

Since 2017, Becton, Dickinson and Company (“BD”) has been implementing a transformation of its production network for manufacturing glass syringes in various production sites around the world, in compliance with quality, customer and regulatory requirements. The group generates 75% of the world’s production of pre-fillable glass syringes, which it sells to large pharmaceutical groups, particularly for vaccines administration.

The production of medical device components such as glass syringes obeys very strict regulatory standards such as ISO13485 and specific specifications from pharmaceutical customers, implying a large number of constraints during implementation. With the “Beyond” program, BD is transforming its production network to strengthen its capacity to produce where it makes the most sense in terms of logistics flow.

## Solution

In order to ensure a transfer of production lines without impact on quality or market disruption, Expleo played a key role in transfer projects, from the initial preparation to production roll-out. For the project to succeed, taking into account the different cultures of the group’s subsidiaries around the world was essential. We worked on gap analysis and risks assessment, in terms of production organization, control and production resources. This analysis was carried out from control upon receipt of the materials to release and distribution of final products to customers.

Expleo contributed to the transfer plan, providing technical assistance, quality management and factory support until the transfer was validated. Expleo has of course accompanied each of the key stages of the projects with quality documentation, proof of the successful completion of these transfers.

## Outcome

Thanks to its vast experience in quality management, particularly in the medical devices sector, Expleo offered its expertise in complex processes and contributed to several parallel transfer projects (around ten transfer projects between 6 and 24 months). We defined and managed action plans, provided project quality documentation in accordance with each milestone, and ensured project quality monitoring in all phases until the final validation of the production line. While around twenty transfer projects are completed or underway, the client considers itself “very satisfied” with the quality of the deliverables, the respect of delivery deadlines, the technical expertise and Expleo’s ability to provide solutions.



**“Creating, as a team, the best solutions to meet our customer’s needs, but also of its factories, its own customers – the pharma labs, and ultimately, of the patients, was a great challenge!”**

**Maily Frasin**  
Project Quality Leader, Expleo

For further information, or if you have any other questions, please write an email to [info@expleogroup.com](mailto:info@expleogroup.com)

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