



Food and Pharma

Robot-Based Solutions for the Food and Pharma Industry

ROBOTOOL[®]



Welcome to RoboTool

RoboTool has been actively working on the development and production of robot-based solutions for industrial production processes since 1997. Now also for the Food and Pharma Industry.

Our robotic solutions are primarily based on free-arm robots and gantry robots from two of the world's leading manufacturers of industrial robots, ABB and Güdel. We are a partner of ABB and an importer and integrator of Güdel robots in Denmark. Our employees have competencies covering the whole technological process, from concept development and project management, through advanced programming tasks, all the way to the more craftsman-like types of expertise required during the production of the robotic tools and the testing and implementation of complete solutions involving robotic technology.

Our goal is to create an international company that offers automation solutions based on robotic technology to customers all over Europe. RoboTool should namely continue to be not only a company with big technological competencies, but also a company where the mindset is that the best solution is the simplest solution and where we always seek to solve problems at the simplest level, both technologically and organisationally. Last but not least, RoboTool and all of our employees are constantly striving to work in accordance with the company's motto: "We do what we say and we say what we do."

RoboTool's goal is to constantly be at the cutting edge of development of robotic technology solutions, in close cooperation with and for the benefit of our customers. RoboTool nowadays accounts for more than 100 robotic solutions implemented in Danish industrial enterprises, from very small companies to some of the largest Danish industrial groups.

Why RoboTool?

RoboTool provides you with a comprehensive solution where we are responsible for the whole technological process, from concept and design to production and running-in.

RoboTool conducts the preliminary examinations which are necessary for determining whether automation would be profitable. Our thoroughly prepared design specifications then ensure that the customer is kept up to date during the whole process of development and production of robotic tools and software.



Food and Pharma

The Food and Pharma industries are areas that place very high requirements on machinery suppliers.

RoboTool fully lives up to the very high requirements the food and pharmaceutical industry places on machinery suppliers. We have supplied robotic technology to some of the largest Food and Pharma companies in Denmark. We know what is needed for delivering an installation that meets the requirements for both quality and profitability.

Innovation for the Future

Denmark stands strong in the production of both food and pharmaceuticals on the world market. And we keep this leading position year after year because these two sectors keep thinking innovatively – both when it comes to product development and refinement and to production optimisation.

Robotic technology is the right solution for processes that place extremely high requirements on hygiene. These requirements apply all the way from the production phase to packaging and palletising. This is why it is of paramount importance here to choose a supplier with documented experience in the production of robotic tools.

Did You Know?

RoboTool has been supplying robotic tools to the pharmaceutical and food industry, including to companies such as Novo Nordisk and Arla Foods, for several years now, with a focus on efficiency and hygiene, as well as on operational reliability and working environment.

[Read more on robotool.com](http://robotool.com)

Food and Pharma Processes

RoboTool's thoroughly prepared design specifications give our customers a complete overview of the process of development of their desired robotic solution. RoboTool always keeps the customer continuously updated with technical specifications and delivery times.

It is particularly important for the customer to choose a supplier with documented experience in the production of robotic tools. RoboTool keeps a special focus on efficiency and hygiene, as well as on operational reliability and working environment.



This is How We Can Help Your Company

RoboTool's project team keeps challenging established robotic technology, creating tools and software that make industrial robots capable of performing more and more advanced tasks. What was impossible yesterday will be as easy as pie tomorrow. More and more tasks in the pharmaceutical and food industry will move from human to robotic hands in the future.

Efficient Processes

Once we sign a contract, RoboTool's project team gets going and prepares

a design specification which serves as a supplement to this contract. The design specification keeps the customers constantly updated not only with the technical specifications of their new production equipment but also provides a full overview of when the installation can be delivered, tested and put into operation.

Typical Processes

Typical processes RoboTool can help companies in the Food and Pharma industry with include, as follows:

- Box handling
- Machine operation
- Mixing of products
- Packaging
- Palletising
- Measuring

[Read more on robotool.com](http://robotool.com)



Service

Just like all other manufacturing plants, robots and robotic tools require maintenance. We strongly recommend preventive maintenance which will help you avoid costly production stoppages and will minimise the wear of the installation.

Individual Service Agreements

Service agreements are formulated at several different levels, depending on your specific need. A service agreement with RoboTool ensures systematic maintenance of your robotic installations, be it of the robot itself or of the robotic tool, and enables you to perform software updates.

Service Matching Your Company

Preventive maintenance minimises the wear of your robotic production facility and simultaneously contributes to reducing breakdowns and production stoppages. The profitability of an industrial robot is based on its ability to produce or process a very large number of units within a short period of time. This is exactly the reason why a production stoppage may be rather costly since a breakdown in one segment usually affects the flow of the rest of the production.

The same RoboTool fitter typically performs the service and maintenance inspections of the same production plant at all agreed intervals. This contributes to a good dialogue and experience sharing between RoboTool's fitter and the company's employees who operate the installation on a daily basis.

24-HOUR HOTLINE

In order to reduce the effect of a possible production stoppage to the absolute minimum, RoboTool has developed a complete service package.

By opting for it, you will no longer need to think of the maintenance of your robots or their tools. The service package namely comprises preventive maintenance of the whole installation.

You are additionally covered by RoboTool's hotline and therefore have access to our technical expertise.

[Read more on robotool.com](#)

This is How We Work

We at RoboTool consider the robot itself to be only a component in a comprehensive solution whose purpose is to optimise the customer's manufacturing or processing processes.

A project usually starts with an assessment of which manual work processes can beneficially be replaced by robotic technology performed by a technically trained consultant from RoboTool. We simultaneously provide assistance with the calculation and analysis of the payback period of an investment in robotic technology.

We then formulate, in cooperation with the customer, the tasks that RoboTool's robotic tools are supposed to perform. We investigate how the running-in of the new industrial robot can be adapted in the best way possible to the company's production, planning and organisation and need for employee training.

Design Specification

When we sign a contract, the first thing RoboTool's project team does is prepare a design specification which serves as a supplement to this contract. This specification contains

descriptions and design principles of the installation's design.

This provides a unique opportunity for implementing minor adjustments before the robotic tools and software are put into production.

The design manual simultaneously contains a complete overview of all delivery deadlines and testing periods, thereby enabling the customers to plan their production in accordance with the date on which the installation can finally be put into operation.

Testing and Running-In

When RoboTool's employees produce equipment for robot cells, program and finally assemble all elements into a complete installation, our high professional competencies are complemented with values such as respect and orderly conduct. All installations are run in and tested at RoboTool before they are set up at the customer so that the final assembly and running-in causes only a minor production disturbance to the customer.



TURNKEY SOLUTIONS

RoboTool's solutions often comprise a combination of robots, tools and software. These parts are central and vital elements in RoboTool's Turnkey Solutions.

RoboTool is responsible for the development of the robotic tools and software in its own development departments and workshops. All installations are thoroughly tested at RoboTool prior to delivery and consulting and training of the company's employees is often part of the comprehensive solution. We use only quality products and thoroughly tested components and software in our Turnkey Solutions which naturally also comprise follow-up and service.

[Read more on robotool.com](#)

What Can We Do for You?

RoboTool is a highly specialised company in the development of industrial robot processes. We are responsible for the whole process from concept and design to production and running-in and function as your extended R&D department in all stages of any given project.

RoboTool has been working on the development and implementation of industrial robots since the robot made its first baby steps in Denmark. Today, there are more than 100 robot-based installations with tools and applications developed by RoboTool in operation in Denmark's industrial enterprises. Our partnership with ABB and Güdel simultaneously enables us to deliver robots from some of the world's leading manufacturers and thereby guarantee both high quality and impeccable operational reliability.

Close Cooperation with Your Company

It is of paramount importance for us to develop robotic solutions in close cooperation with our customers so that they can take optimum advantage of the technology. This is why consulting and training of employees is often a natural part of our product deliveries.

RoboTool has built up a vast expertise over the years and now develops robot-based solutions in more or less all types of industrial enterprises. We take pride in our list of references that includes some of Denmark's largest and most innovative companies.



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