

Robot Investment Calculation

How much can I spend on a robot
or automation solution?

#HowToRobot

Connecting the World of Robots

Robot Investment Calculation

HowToPasta

For the process: Emptying of bags with raw materials

How much can I spend on a robot or automation solution?

As always, it is a good idea to calculate potential savings and benefits before investing in a robot or automation solution.

This report gives you an idea of your "robot budget" for automating Emptying of bags with raw materials. In other words, the report shows how much you can at most afford spending on a solution if you want a positive business case.

In total, you can spend up to:

You are expected to save:.....37.290 EUR

This is the total amount you can expect to save over a 2 year depreciation period by automating the process.

The total costs of a solution (purchase price and running costs for 2 years) must be less than this amount to realize a positive business case.

For each year, that allows you to spend a maximum of **18.645 EUR** for the 2 years.

Once you get a price from vendors, you can make a new report on HowToRobot.com to know the exact savings.

The result is based on the following assumptions

Your maximum spend is based on the expected process improvements from automation. The solution to buy must live up to the following objectives, if you want to realize a positive business case:



Manual work:

You will need 1 FTE¹ to operate the process per month after automating it. Currently, 2 FTE is working on the process per month.



Consumables:

The amount of monthly consumables for this process will decrease by 10 % after automating.



Quality:

The amount of monthly quality related issues will decrease by 15 % after automating the process.



Depreciation period:

The chosen solution is at least able to run for 2 years.



Scrap/resale value:

The total value of scrapping or reselling existing machines is 0 EUR

¹ FTE is short for Full Time Equivalents and is a way of estimating how much time is spent by all employees on a specific process. One FTE is the same as one person working full time or two people spending each half of their time on this specific process.

How much do I spend on my process today - before automating?

Based on your information, the current process cost of Emptying of bags with raw materials is:

3.400 EUR

every month

40.800 EUR

every year

This cost consists of:

3.025 EUR as labor costs to manually carry out the process per month

300 EUR worth of consumables used during the process per month

75 EUR worth of wasted products and effort related to process quality issues per month

About this report

The report has been generated by using the Robot Investment Calculator tool on [HowToRobot.com](https://www.howtorobot.com)

The purpose of the report is to provide a realistic estimate of the business case for automation. The tool used for the report has been developed by independent advisors, who do not sell any solutions or have any interest in affecting the results in either a negative or positive way.

The correctness of these calculations relies entirely on the input provided by the user who generated this report.