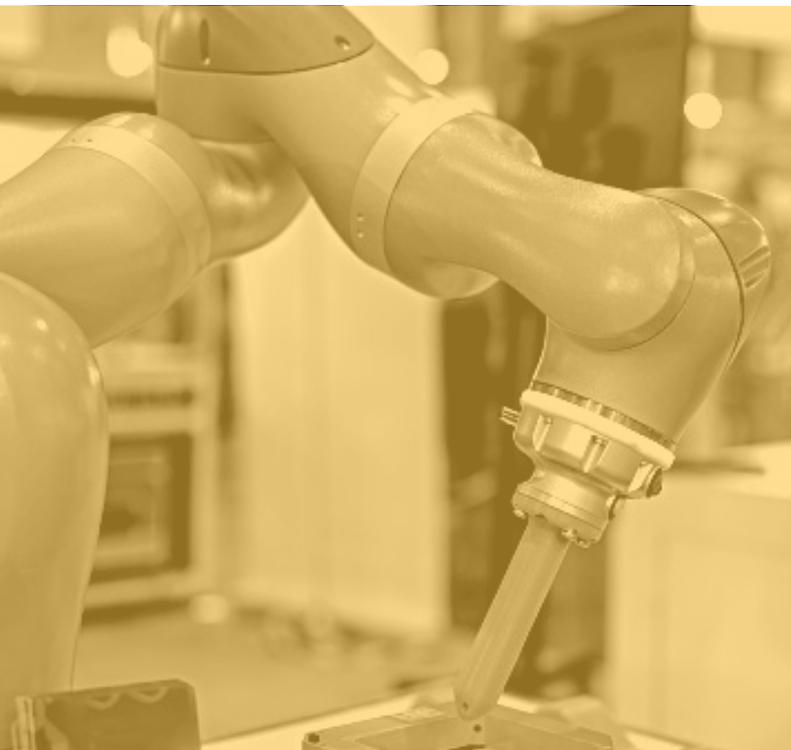


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EUROPEAN UNION  
**North-West Europe**  
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European Regional Development Fund



# COBOTS

Useful resources for SMEs  
on the implementation of  
**collaborative robots**



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# COBOT BASICS

## GETTING STARTED WITH COBOTS

This 10-step guide from Universal Robots is a great starting point for companies who are unfamiliar with cobots and their potential uses.

## CAN YOU AFFORD NOT TO HAVE A COBOT?

This e-book from ROBOTIQ covers the design phase -including all the tasks needed to go from a manual process to having a plan and materials for the robotic cell.



# PRE-FIELD LAB VISIT

## COLLABORATIVE ROBOTS BUYERS GUIDE

This guide provides a clear overview of the main specifications of numerous cobots on the market.

## COLLABORATIVE ROBOTS IN GLOBAL COMPANIES

How can enterprises with a wealth of experience in manufacturing technology use collaborative robots to become even more competitive? Who are the key people needed to successfully introduce collaborative robots in a multinational company? This e-book provides the answers.

## KICK STARTING YOUR PROJECT

This e-book covers the integrate phase, which consists of putting the pieces of the robotic cell together, programming it, and installing the cell on the production line.

## PART PRESENTATION PLAYBOOK

This playbook explores how to determine part presentation when you're transitioning from a manual cell (human operator) to a robotic cell (robot operator).

# DURING FIELD LAB VISIT

## **GRIPPERS FOR COLLABORATIVE ROBOTICS**

Discover different grippers for cobots and what to consider when choosing a gripping technology.

## **FORCE SENSORS IN ROBOTICS RESEARCH**

This e-book will allow you to quickly start using force sensors in your research, and provides some tips on how to avoid common mistakes.

## **HOW TO SIMPLIFY A COMPLEX TASK**

Some processes are harder to automate than others. In this e-book you will be guided through the most common challenges to automating a process, to make you feel less intimidated.

## **ADDING EXTRA SENSORS: HOW TO DO EVEN MORE WITH COLLABORATIVE ROBOTS**

This e-book provides practical information so that you can decide whether or not an extra sensor is right for you and your business. It takes a look at the various different types of available sensors, along with the benefits and potential integration challenges for each.

# FEASIBILITY STUDY

## RISK ASSESSMENT: AN INTRODUCTION

The main focus of this eBook is to help you understand the nomenclature/vocabulary and give you tools to achieve a risk assessment for collaborative robots.

## HOW TO PERFORM A RISK ASSESSMENT FOR COLLABORATIVE ROBOTICS

Learn more about the different parts of the risk assessment process with some virtual examples.

## RISK ASSESSMENT EXCEL TEMPLATE

A downloadable risk assessment template from ROBOTIQ.

## UNIVERSAL ROBOTS FINANCE SOLUTIONS

Universal Robots' financing programme allows you to avoid worrying about cash flow and seasonal fluctuations, whilst continuing to drive your business towards automation. Their service allows you to buy now and pay in 2022 over a 36-month period with a 0% leasing rate.

# DEFINING THE ADOPTION CASE

## BUILD AN INDIVIDUAL LEARNING PLAN FOR EMPLOYEES

A worksheet for employees receiving robotics training - to optimise your training process.

## A GUIDE TO MAKING ROBOTS WORK IN YOUR FACTORY

Discover the Lean Robotics methodology which aims to simplify the deployment of robots in factories. ROBOTIQ developed this based on their experience in supporting thousands of manufacturers worldwide, many of them first-time robot users.

## SHOPPING FOR A ROBOT

From appointing a project manager to building a communication plan for your team, learn about some key steps in shopping for a robot.

## SKILLS TO INTEGRATE A ROBOT

This e-book lists the people that should be involved in a robot implementation process and describes the skills they will require.

## THE MACHINE TENDING PLAYBOOK

Learn how to define the baseline requirements for your machine tending application and how to make an ROI assessment.

## WHY YOU NEED IN-HOUSE COBOT EXPERTISE

This workbook focuses on training your current workforce.

# LATEST RESEARCH

**TECHNICAL FEASIBILITY ANALYSIS FOR THE USE OF  
COBOTS IN MANUFACTURING SMES**

SEPTEMBER 2021

**C-ALB (COLLABORATIVE ASSEMBLY LINE BALANCING): A  
NEW APPROACH IN COBOT SOLUTIONS**

OCTOBER 2021

**COBOTS IN INDUSTRY 4.0: A ROADMAP FOR FUTURE  
PRACTICE STUDIES ON HUMAN-ROBOT COLLABORATION**

AUGUST 2021

**COBOTS IN INDUSTRY 4.0: SAFE AND EFFICIENT  
INTERACTION**

AUGUST 2021

**GETTING COLLABORATIVE ROBOTS TO WORK: A STUDY OF  
ETHICS EMERGING DURING THE IMPLEMENTATION OF  
COBOTS**

MAY 2021

**COBOT LEARNING CENTER (COLEAC) FOR DUTCH MULTI-  
LEVEL EDUCATORS AND MANUFACTURING SMES**

APRIL 2021

# LATEST RESEARCH

**HOW A COBOT INCREASES PRODUCTIVITY IN THE  
ELECTRONIC INDUSTRY**

NOVEMBER 2020

**COBOTS AND THE BENEFITS OF THEIR IMPLEMENTATION  
IN INTELLIGENT MANUFACTURING**

MAY 2020

**AUTONOMOUS ROBOTS AND COBOTS: APPLICATIONS IN  
MANUFACTURING**

APRIL 2020

**DRIVERS IMPACTING COBOTS ADOPTION IN  
MANUFACTURING: A QUALITATIVE STUDY**

JANUARY 2019

# ADDITIONAL INFO

## ROBOTIC R&D PROJECTS

Over many years, ROBOTIQ's 3-Finger Adaptive Robot Gripper has been involved in numerous international cutting-edge robotic R&D projects. Learn about some of them in this e-book.

## ISO/TS 15066 EXPLAINED

Learn about the world's first specifications of safety requirements for collaborative robot applications - ISO/TS 15066.

## SCALING YOUR ROBOT CAPABILITIES

If you have already implemented a cobot, you'll soon be looking for ways to use additional cobots in your facility. This e-book is designed to help you think about the issues involved with upscaling.

## VISION SYSTEMS FOR COBOTS

There are many different vision systems out there, which incorporate a variety of technologies for a range of applications. That's why it's important to acquire some basic knowledge of machine vision to help you figure out exactly what a simple vision application is.

QUESTIONS?

CONTACT US



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