



# The Cobot Task Catalog

## 25+ Ways Manufacturers Are Using Cobots Today



# Welcome Letter

Dear Manufacturer,

Looking for a smart, simple way to begin automation? You're not alone.

We built this guide to give you a visual list of the most effective cobot applications—in real factories, solving real problems. Whether you're in packaging, metalworking, food, plastics, or electronics, there's a good chance one of these tasks is already slowing you down.

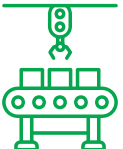
Cobots don't replace your people. They help your team do more, better, with less stress.

Let's explore 25+ ways collaborative robots are being used today—and how to find the right starting point for your facility.

**cobotworks**  
innovate. educate. collaborate.


# Tasks by Department

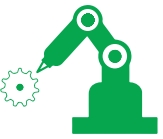


	<ul style="list-style-type: none"><li>✔ Part insertion</li><li>✔ Screwdriving with torque control</li><li>✔ Snap fitting or press fitting</li><li>✔ Adhesive dispensing</li></ul>
---	---

01


02


<p><b>Packaging</b></p> 	<ul style="list-style-type: none"><li>✔ Pick-and-place product loading</li><li>✔ Box loading</li><li>✔ Tray packing</li><li>✔ Label application</li></ul>
---	---

<p><b>Machine Tending</b></p> 	<ul style="list-style-type: none"><li>✔ CNC load/unload</li><li>✔ Injection molding part removal</li><li>✔ Press tending</li><li>✔ Operating levers or buttons</li></ul>
---	--

03

04

<p><b>Palletizing</b></p> 	<ul style="list-style-type: none"><li>✔ Case stacking</li><li>✔ Pattern-specific pallet builds</li><li>✔ Slip sheet placement</li></ul>
---	---

<p><b>Inspection / QA</b></p> 	<ul style="list-style-type: none"><li>✔ Vision-based label checking</li><li>✔ Part orientation inspection</li><li>✔ Missing component detection</li></ul>
---	---

05

# Tasks by Process Type



## Repetitive Handling



- ✓ Cycle-based part movement
- ✓ Transfer between conveyors
- ✓ Placement on racks or trays

# 01

# 02

## Precision Work



- ✓ Accurate fastening
- ✓ Delicate component alignment
- ✓ Light-duty polishing or cleaning

## Hazard Reduction




- ✓ Handling sharp or hot parts
- ✓ Reducing exposure to fumes or repetitive motion injury

# 03


# Tasks by Industry




<p><b>Food &amp; Beverage</b></p> 	<ul style="list-style-type: none"><li>✔ Package loading</li><li>✔ Labeling</li><li>✔ Palletizing with slip sheets</li></ul>
---	---


01

<p>02</p>	<p><b>Plastics</b></p> 	<ul style="list-style-type: none"><li>✔ Injection mold unloading</li><li>✔ Trimming handoffs</li><li>✔ Conveyor transfers</li></ul>
-----------	--	---

<p><b>Metalworking</b></p> 	<ul style="list-style-type: none"><li>✔ CNC tending</li><li>✔ Bin picking</li><li>✔ Weld seam prep</li></ul>
--	--

03

<p>04</p>	<p><b>Plastics</b></p> 	<ul style="list-style-type: none"><li>✔ Delicate placement</li><li>✔ Vision-based inspection</li><li>✔ Light assembly</li></ul>
-----------	--	---

<p><b>Consumer Goods</b></p> 	<ul style="list-style-type: none"><li>✔ Box loading</li><li>✔ Pick and place from kitting bins</li><li>✔ Assembly line handoffs</li></ul>
--	---

05

# Bonus: Real Cobot Task Matchmaker



Problem	Cobot Task	Example Result
Can't staff second shift	CNC tending	22% more uptime without hiring
Rework is rising	Label inspection	30% fewer customer complaints
Operators are burned out	Palletizing	Reduced turnover and fewer injuries
Orders are backlogged	Tray packing	18% faster fulfillment
Hiring is slow	Box loading	\$60K annual labor cost avoided

# Tasks by Industry



## USE THIS CHECKLIST:

- ✓ Is it repetitive?
- ✓ Is it hard to staff?
- ✓ Is it low complexity?
- ✓ Is it physically demanding or fatiguing?
- ✓ Is it currently a bottleneck?

**IF YOU ANSWER YES TO 3 OR MORE—YOU HAVE A GREAT CANDIDATE**

