

# TELOS

Precision Craftsmanship, Delivered!



# Telos

Telos is where collaborative robotics meets everyday functionality. Born from a vision to create a robotic arm that can work alongside humans across industries, it stands as a testament to what's possible when innovation meets practicality. Engineered for versatility, Telos is a reliable partner in productivity, designed to meet the challenges of a rapidly evolving world.



## Core Features:

### Multifunctional Design:

Telos is ingeniously designed to be adaptable. Its modular structure allows for swift customization with different tools, making it perfect for a variety of tasks, from delicate lab operations to customer service.



### Precision and Control:

Telos has advanced servo motors and control algorithms that guarantee smooth, accurate operations. Enhanced by responsive sensors, Telos performs tasks with remarkable precision, essential in environments like manufacturing and healthcare where accuracy is crucial.



### User-Friendly Interface:

Telos is accessible to all. With intuitive controls and a straightforward interface, operating Telos is simple, inviting users of all skill levels to experience advanced robotics without the complexity.



### Safety and Reliability:

Telos prioritizes safety. Its integrated sensors and advanced monitoring systems ensure a safe work environment, especially in settings where human interaction is common. Features like emergency stops and force limitations highlight its reliability in any workspace.

### Customizable to Fit Needs:

Adaptability is a key feature of Telos. It offers software flexibility for seamless integration into various business operations and customizable aesthetics to align with different workplace environments.



## DID YOU KNOW?

With a repeatability accuracy of  $\pm 0.05$  mm, Telos can perform tasks requiring precision finer than a human hair.

Telos features over 5 adjustable safety levels, ensuring maximum protection in human-robot collaborative environments.

# From Concept to Reality

## Restaurant and Hospitality:

In culinary settings, Telos engages in food preparation, serving, and even intricate culinary decorations.

### Benefits:

- Supports staff during peak hours
- Improves turnaround time
- Consistency in food quality

## Manufacturing and Assembly:

Telos performs assembly tasks, quality checks, and material handling in manufacturing units.

### Benefits:

- Increases production efficiency
- Ensures product quality
- Reduces operational downtime

## Healthcare & Laboratory Work:

Telos assists in physiotherapy and laboratory analysis with its precision and mobility.

### Benefits:

- Enhances patient safety
- Increases efficiency in sample processing
- Reduces manual errors in delicate tasks

## Warehouse & Logistics

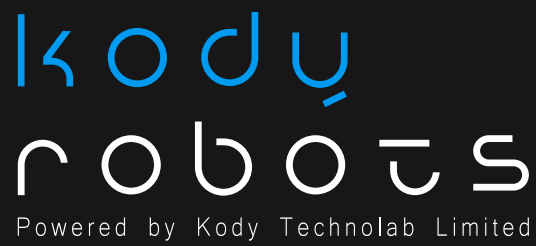
Telos can be employed to load and unload goods, manage inventory and execute precise picking and packing tasks.

### Benefits:

- Improves operational efficiency
- Reduces manual labor costs
- Minimizes errors in inventory management

## Technical specifications

Specifications	Telos
Weight	14 kg
Maximum Payload	5 kg
Working Radius	850 mm
Max Speed of TCP	2 m/s
Range of Motion	J1: $\pm 360^\circ$
	J2: $\pm 180^\circ$
	J3: $\pm 160^\circ$
	J4 to J6: $\pm 360^\circ$
Maximum Joint Speed	J1 to J6: 100° /s
Repeatability	$\pm 0.05$ mm
Noise Level	70 dB (A)
Power Consumption	Typical: 230W, Max: 770W
Installation Orientation	Any Angle
Operating Environment	0° to 50° C
IP Rating	IP54



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