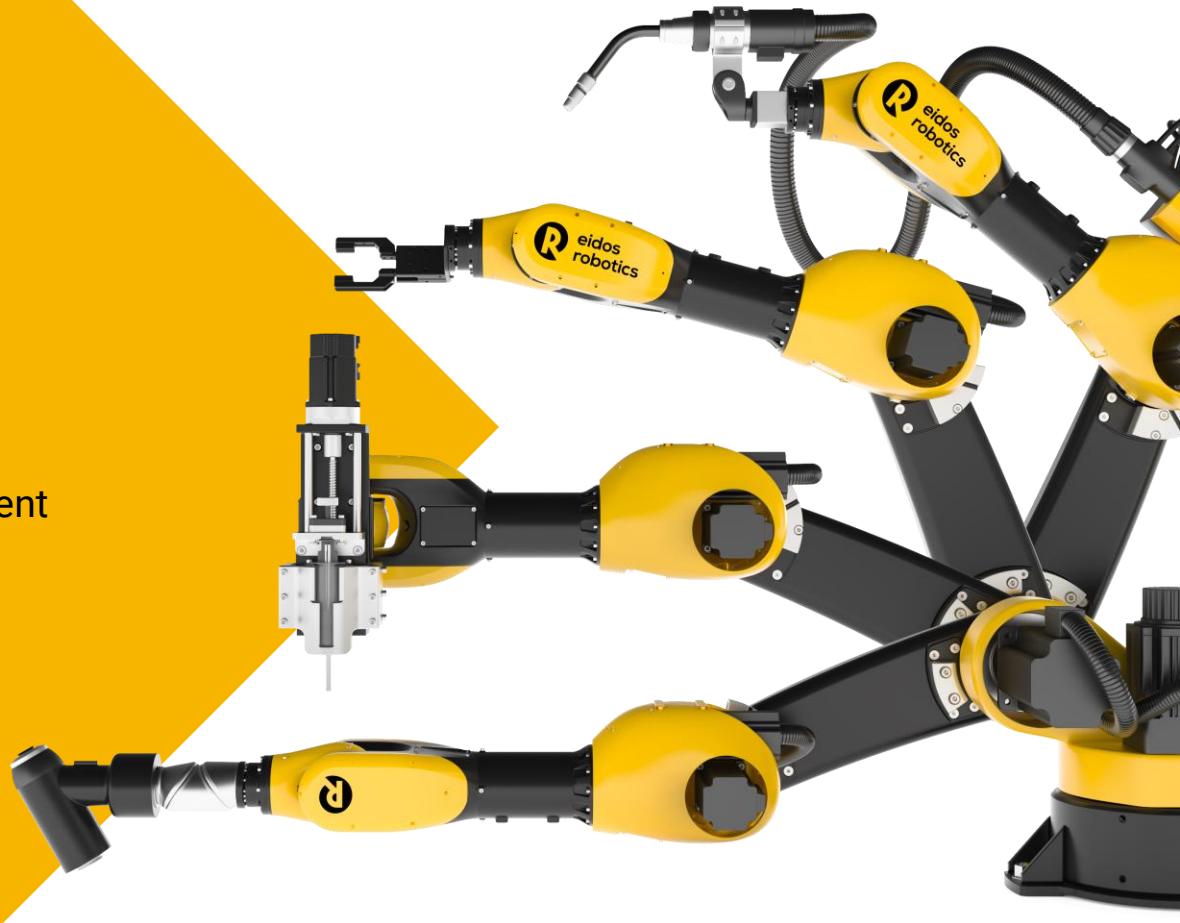
Industrial robot

Model A12-1450

Key player in the most complex areas:
from mechanical engineering
to pharmaceuticals

Can do whatever a human hand can do

Ready to perform up to 10 million manipulations per year with consistent quality and accuracy



Specifications

Degrees of freedom	**6**
Repeatability	**±0,05 mm**
Payload	**12 kg**
Maximum reach	**1450 mm**
Programming language	**Python**

The robot has been certified for compliance with
the European Conformity Certificate standard.
It meets the safety requirements of the European Union
and is admitted to the internal market of the EU countries

Strategic advantages

Predictable delivery time

As we are the sole proprietors of our product, we will promptly resolve any issue related to it. Our customers do not have to wait for weeks for a service technician

Fast support and service

We are responsible for the entire cycle of production and delivery of the robot. Our clients do not depend on border closures or delivery priorities of foreign manufacturers

Low total cost of ownership

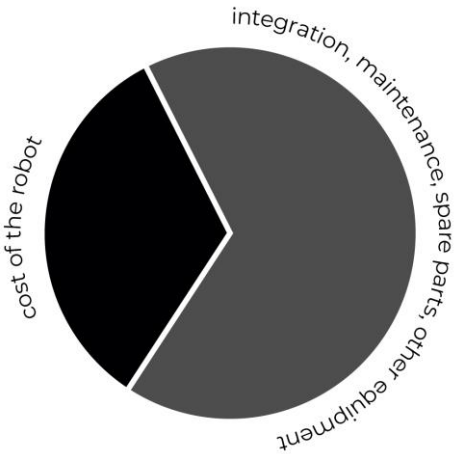
The operating costs of our robots are lower as compared to similar products in the marketplace, because our own specialists are the ones working on support and maintenance

Cost of robot ownership

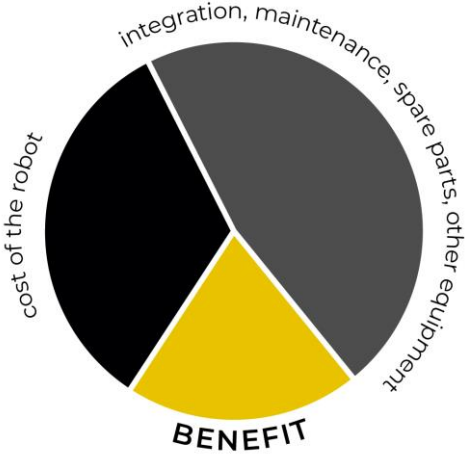
The total market for robotic solutions is $48 billion, while the cost of a robot is only a third of this amount*

We manufacture robots from the very beginning to fully assembled robot. Therefore, implementation, maintenance, and spare parts are cheaper in comparison to our competition

Foreign analogues



Eidos Robotics robots



* according to McKinsey & Company. Industrial robotics: Insights into the sector’s future growth dynamics. July 2019

Not just a robot

Python programming language

A universal and widespread language, which is used by a large number of scientists and developers

Built-in powerful features to integrate your solutions

Everything is already available in the basic version: connecting a robot to an external network, connecting cameras, processing a large amount of data, multi-threaded programming, connecting any additional package for Python

CV, CNN, GPU

The platform allows you to connect modules for computer vision (CV), computer neural networks (CNN), as well as use high-performance computing on the GPU, “seamlessly” integrating all this directly into control programs

Where we used our robot

بيورهيلث
purehealth

Delivered five working systems for filling reagents based on the A12 robot in Abu Dhabi

«Innovative Health Systems Limited», UAE, 2020

EMG
GENOMICS FOR LIFE

Developed an automated working system to facilitate proper dispensing of reagents in COVID-19 testing

«EMG» company, 2020

KAZAN
international
airport

In 2018 on our initiative, we installed a robot in the arrivals hall of domestic flights of Kazan International Airport. It continuously waved the flag of the Republic of Tatarstan for a year, attracting tourists' attention.

Kazan, 2018

Feel free
to contact us

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We will investigate and analyze your process and suggest the potential of implementation robotics in your production

Comparison with analogues

MODEL CHARACTERISTICS	EIDOS A12-1450	FANUC Arc Mate 100iC	KUKA KR 10 R1420	ABB IRB 1600-10/1.45
PAYLOAD, kg	12	12	10	10
MAXIMUM REACH, mm	1450	1441	1420	1450
PERIODICITY, mm	±0.05	±0.05	±0.04	±0.05
ACCURACY, mm Increasing accuracy option	0.35 on factory or on-site, included in the price	~1.0 not specified	~1.0 factory only +€1400	0.35 factory only
PROGRAMMING LANGUAGE language capabilities	Python tcp/ip computer vision neural networks	KAREL tcp/ip — —	KRL optional (€) — —	RAPID tcp/ip — —

You can entrust our robot with the most essential tasks

We guarantee high precision
and consistent stability of operations