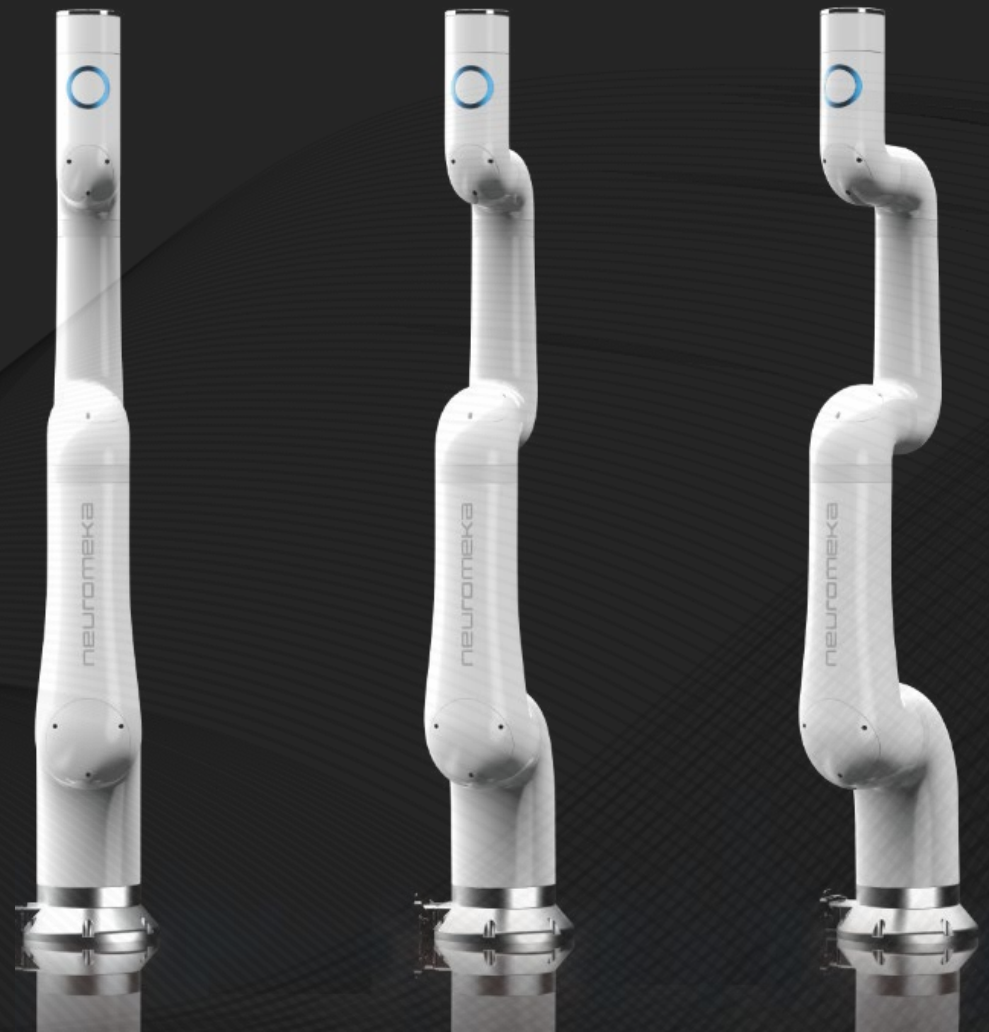
neuromeka

Neuromeka Company Profile



https://www.neuromeka.com

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neuromeka

ABOUT US

Company Name	Neuromeka Co., Ltd
CEO	Jonghoon Park
Business	cobot manufacturing, industrial robot manufacturing, system integration, robot automation platform service
Establishment	February 14th 2013
Employees	145
Location	[HQ] 15F, W, 7, Yeonmujang 5ga-gil, Seongdong-gu, Seoul, Republic of Korea [Pohang B.O.] 698-2 Jukcheon-ri, Heunghae-eup, Buk-gu, Pohang-si, Gyeongsangbuk-do, Republic of Korea [US B.O] 1501 Panther Loop, Bldg. 4B Pflugerville, TX 78660, USA [Vietnam B.O.] Room 03-07, Level 3, Tower 1, OneHub Saigon, Plot C1-2, D1 Street, Saigon Hi-Tech Park, Tan Phu Ward, District 9, Ho Chi Minh City [China B.O.] 3F, Building 2, No. 82 Xindudong Road, Yancheng Economic and Technological Development Zone, Jiangsu province, China [KRC Hangzhou Office] 509, 5F, Building 2, Jiqiren Xiaozhen, No. 389 Hongxing Road, Xiaoshan District Economic Development Zone, Hangzhou City, Zhejiang province, China
Homepage	www.neuromeka.com


협동로봇 제조회사
neuromeka
Neuromeka (Video)

01

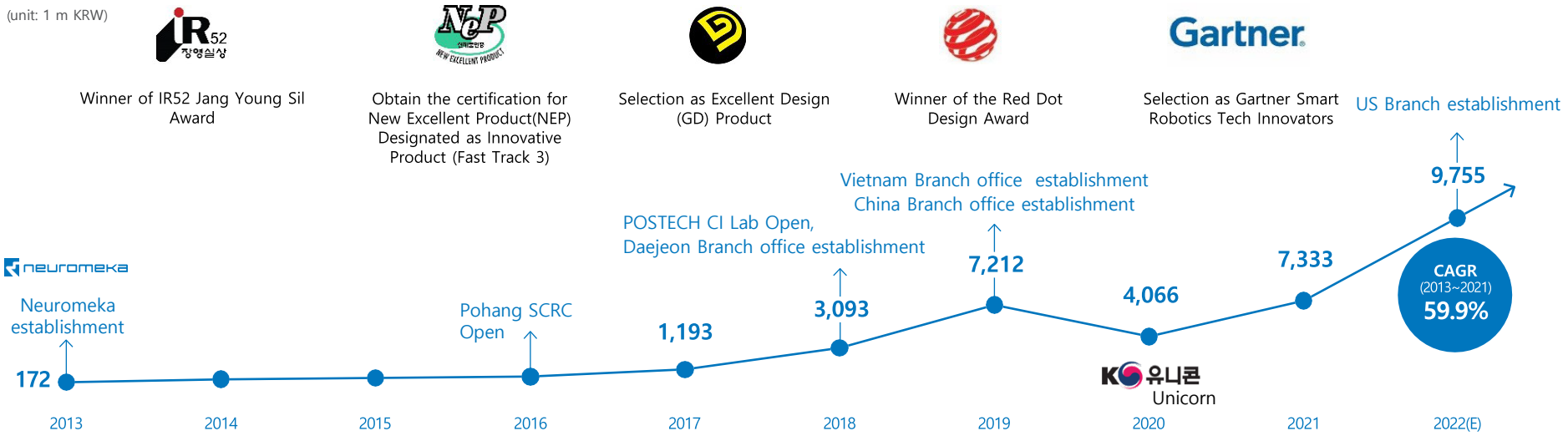
Neuromeka is

Robot as a Tool l Robot as a Service l Robots for Every Workplace

https://www.neuromeka.com

GROWTH STORY

Neuromeka, which has been growing at an annual rate of 59.9% since its establishment, has released the world's first AI collaborative robot.



Securing and verifying the three basic technologies for commercializing control platforms

- Release of Robot Control Engine and Real-Time Robot Control Framework
- Release of Real-Time Embedded Robot Controller
- Release of Teach Pendant App for Robot Programming
- Release of IndyRP, a research experimental platform

Mass production and commercialization of collaborative robots

- Release of Collaborative Robot Indy
- Winner of the Korean Robotics Society's Technical Award and Academic Award
- Selected as one of the top 100 future technology leaders in Korea [Leading Korea in 2025] (Collaborative manufacturing robot sector)

Development of Automation Services Business

- Release of Delta Robot D and start of automation business
- Development of RaaS platforms (IndyGo, IndyCare, IndyProto)
- Development of learning-based vision solution IndyEye
- Development of collision detection neural network Collision Net
- Selected as a prospective unicorn by the Ministry of SMEs and Startups
- Winner of IR52 Jang Young-Shil Award (Indy7)
- Obtained certification for New Excellent Product (NEP) (Indy7)

Development of Automation Solution Business

- Release of Collaborative Industrial Robot ICON
- Release of All-directional autonomous mobile robot Moby
- Release of welding and palletizing templates
- Release of lab automation templates
- Release of collaborative robot template for chicken cooking
- Release of 24-hour unmanned espresso templates
- Supply of F&B solutions and large enterprise lab automation solutions
- Selected as K-Kitchen anchor company
- Selected as Smart Robotics Tech Innovators by Gartner
- Designated as an Innovative Product (Fast Track 3)
- Awarded by the Korea Minister of Industry, Trade and Resources
- Selected as an Excellent Corporate Research Institute by the Korea Ministry of Science and ICT
- Selected as a promising design innovation company by the Korea Ministry of Industry, Trade and Resources

HISTORY

2013
02 founding Neuromeka at Namyangju (Gyunggi)
07 releasing NRMKFoundation SDK
10 releasing NRMKPlatform SDK

2014
01 Venture Company certification
installing R&D center
07 relocating HQ in Seongsu (Seoul)
09 releasing STEP/PC and STEP/BBB
10 releasing IGoT/HUB
12 releasing STEP/iMX and STEP/HPC

2015
07 releasing CONTY app
08 releasing IGoT/WSN

2016
05 attracting series-A investment
07 releasing STEP2
10 releasing Indy RP
11 establishing SCRC (Smart Connected Robot Center)

2017
02 INNOBIZ certification
03 releasing Indy3/5/10
04 relocating HQ in Apgujung (Seoul)
06 attracting series-B investment
relocating SCRC in POSTECH, C5 (Pohang)
07 setting up Production BU in SCRC
09 releasing Indy7
12 Robot Company of The Year (in Industrial Robots)

2018
05 merging Autopower
06 establishing V-SCRC in HCMC (Vietnam)
establishing CILab (cobot intelligence laboratory) in POSTECH
07 starting System Engineering business
releasing D (Delta robot brand)
starting production of Indy7
08 attracting series-C investment
09 Red Dot Design Award (Indy7)
10 starting System Engineering BU (business unit)
relocating Production BU (business unit)
12 Robot Company of The Year (in Industrial Robots)
KDB NextRound Blue Frog Award
releasing STEP3
launching pilot business for IndyGO

2019
06 relocating HQ in Seongsu (Seoul)
09 releasing Indy12
releasing IndyEye
10 releasing IndyCARE
relocating to expand Branch Office in Daejeon
12 Robot Company of The Year (in Industrial Robots)
2019 Korea Regional Balance Award

2020
06 attracting Bridge investment
07 Selection of Reserve Unicorns for Ministry of SMEs and Startups
IR52 Jang Young -hil award winner
12 Indy7 New Product Certification (NEP)
2020 Robot Company of the Year (industrial robot sector) Award
establishing China B.O. in Yancheng

2021
05 establishing China B.O. in Yancheng
06 Expansion of Daejeon branch (Jukdong, Daejeon, Korea)
08 attracting series-D investment
12 governmantal commendation, Minister of Trade, Industry and Energy (merit for industrial technology)
12 2021 Robot Company of the Year (industrial robot sector) Award
12 Certificate of the Innovative Product (Ministry of Trade, Industry and Energy)

2022
04 establishing U.S.A
04 2022 Design Innovation Company by the Ministry of Trade, Industry and Energy
11 Listed on the KOSDAQ
12 2022 Robot Company of the Year (industrial robot sector) Award

2023
04 Expansion of Pohang branch (Buk-gu, Pohang-si)
09 Attained ISO Certification (9001, 14001, 45001)
09 NSF Certification for Indy7
10 Release of NURI collaborative robot series
10 Recognized with an Industry Award (Contribution to the Development of the Mechanical, Robotic, and Aviation Sectors)

SITE

HQ

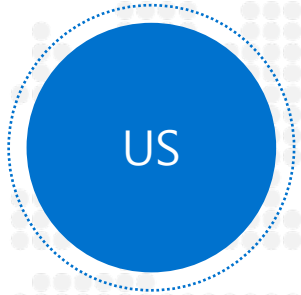
Seongdong-gu, Seoul

operation , strategy, MKT

Pohang B.O.

Buk-gu, Pohang-si

R&D of cobot, vision solution and deep learning



US B.O.

Texas, US

North America regional office

Vietnam B.O.

Ho Chi Minh City, Vietnam

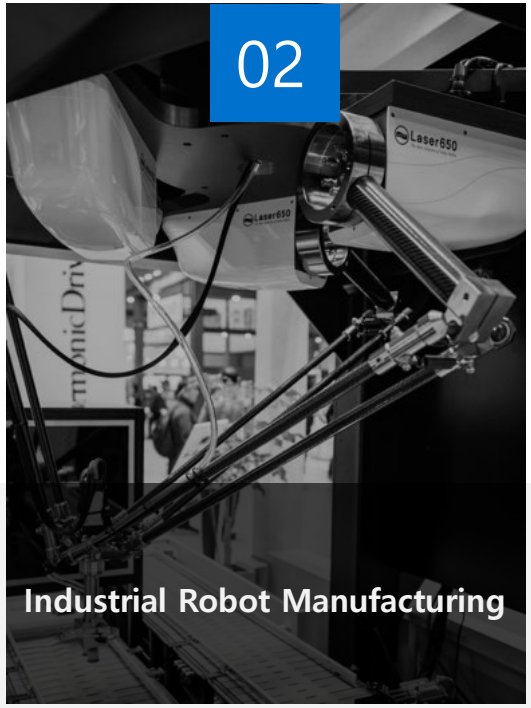
Southeast Asia regional office

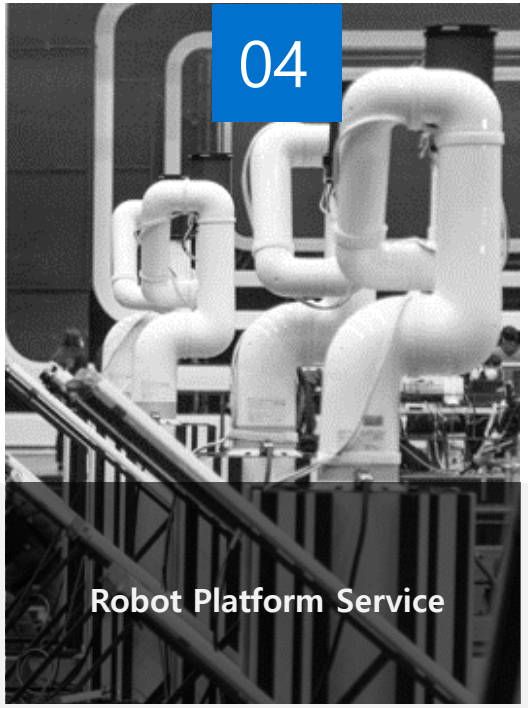
China B.O.

Yancheng , China

China regional office

BUSINESS





Neuromeka is leading robot automation with cobot manufacturing, industrial robot manufacturing, SI and robot automation platform service.

MISSION

VISION

CORE VALUE

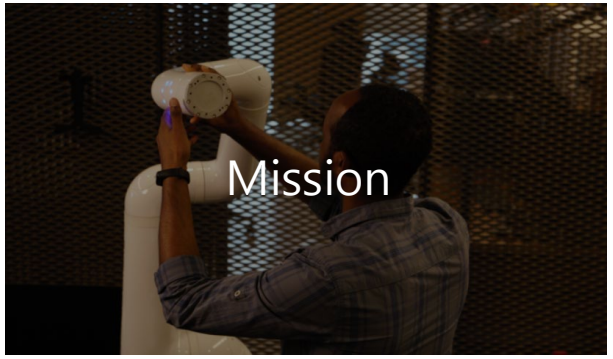
Neuromeka supports automation for small and medium-sized manufacturers
using easy-to-use and economic cobots.

-

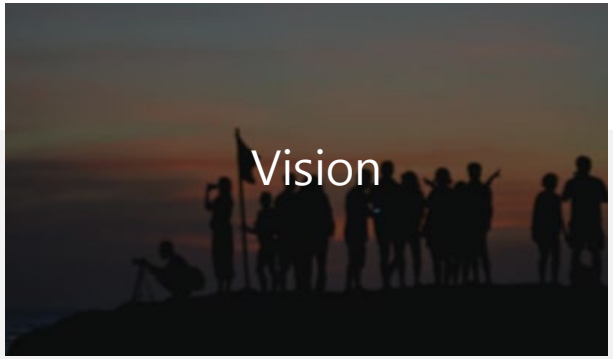
Neuromeka's cobots can cowork with people safely and be programmed
easily to apply a variety of applications.

-

Neuromeka is constructing ecosystem for RaaS (robot-as-a-service) platform business
based on cobots which helps small and medium-sized companies
to deploy and operate robot automation without in-house robot experts.
We are to contribute our robot technology to improve every client's productivity.



Robot as a Tool
Robot as a Service
Robots for Every Workplace



Global no.1
In Small and Medium Manufacturing
Process Automation Market

Relentless Learning
Accountable Leadership
Keeping promises to Customers

02

Our Product

Robot as a Tool l Robot as a Service l Robots for Every Workplace

INDY

Your first industrial robot for small and medium sized manufacturers **'Indy'**

Easy

Easily installed and programmed

Safe

Safely cooperate with people

Connected

Connected always everywhere

Indy is Neuromeka's flagship collaborative robot model, featuring a smooth curved design and innovative sensorless collision detection algorithm that ensures worker safety through impedance control. Indy supports intuitive direct teaching and allows online/offline programming through a tablet-based teaching pendant app.

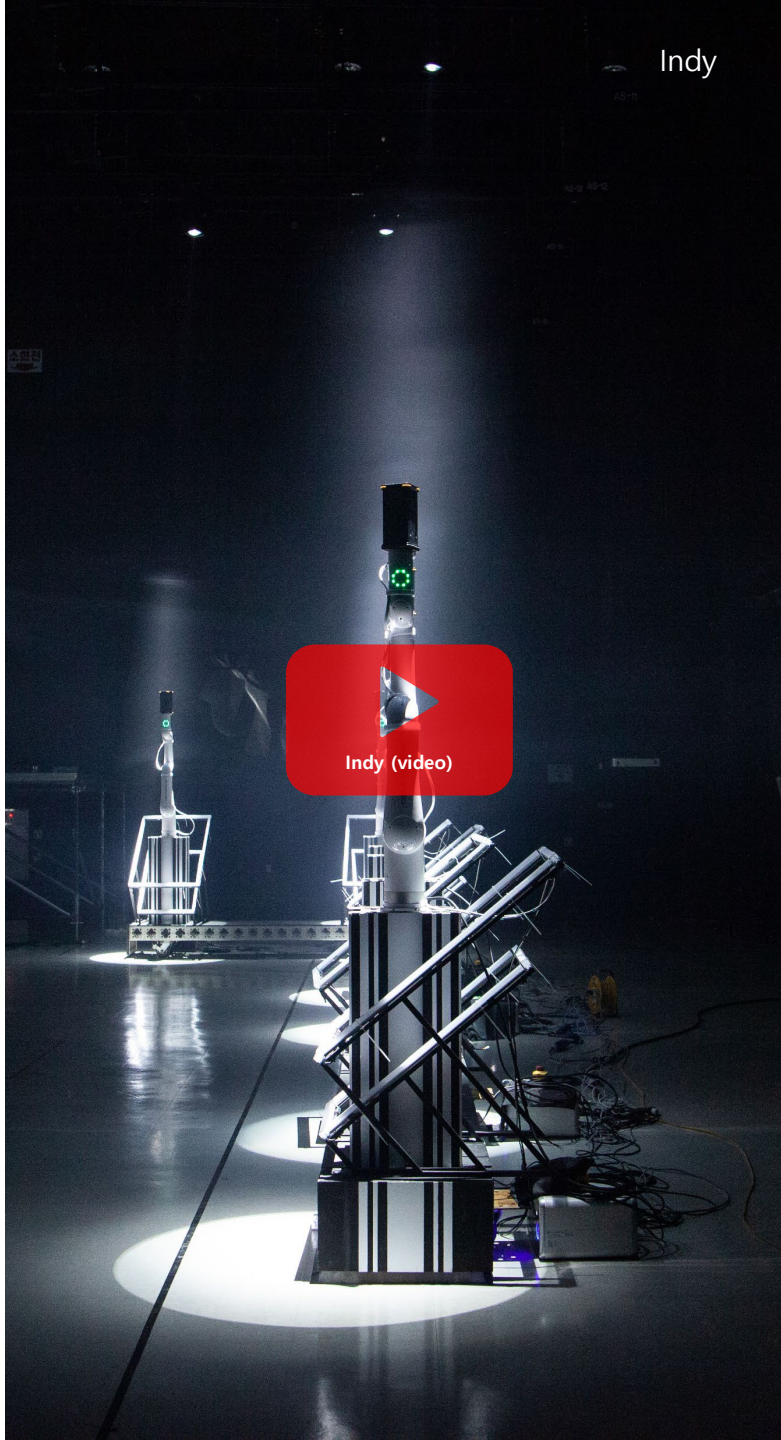
Neuromeka offers models with different payload capacities, including Indy 7/12kg models and Indy-RP2, a 7 degree-of-freedom research collaborative robot. Various standard tools such as grippers and vision sensors can be utilized through the expansion port attached to the wrist.

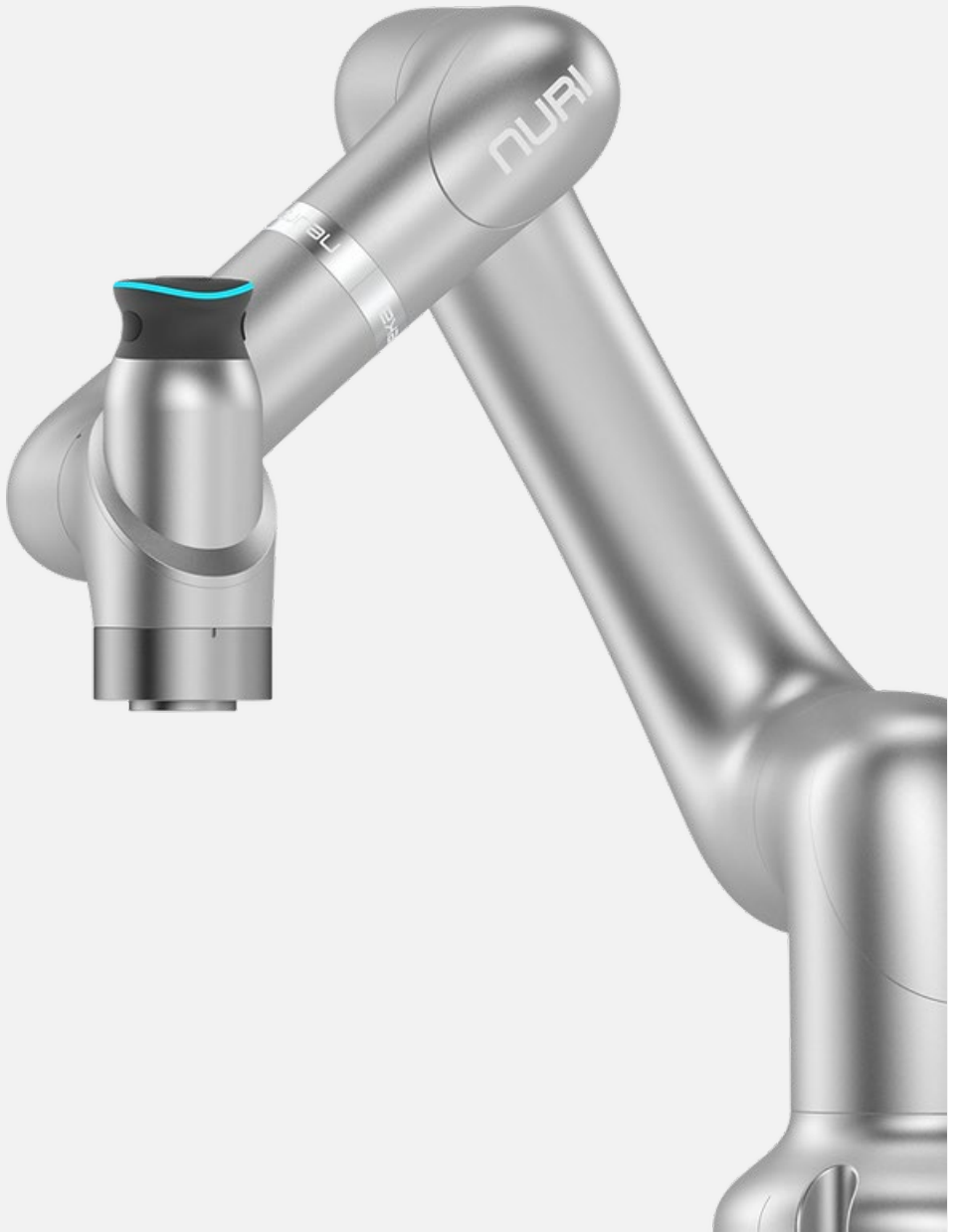
INDY

Your first industrial robot for small and medium sized manufacturers **'Indy'**

Spec

ITEM	Indy7	Indy12	Indy-RP2 (controlled by STEP3)
DOF	6 (all revolute)	6 (all revolute)	7 (all revolute)
Payload	7kg	12kg	5kg
Joint Motion Range	1,2,3,4,5 : ±175deg | 6 : ±215deg	±180deg for all joints	±175deg for all joints
Maximum Joint Velocity	1,2,3 : 150deg/s | 4,5,6 : 180deg/s	1,2: 120deg/s | 3: 150deg/s |5,6: 180deg/s	1,2,3,4 : 150deg/s | 5,6,7 : 180deg/s
Maximum Tool Speed	1m/s	1m/s	1m/s
Maximum Reach	1.3m	1.8m	1.3m
Repeatability	100μm	100μm	100μm
Weight	28kg	55kg	30.5kg





NURIC

Neuromeka Collaborative Robot Ecosystem, **NURI C Series**

[Superior Performance] **[Compliant Flexibility]**

[Ease of Use] **[Excellent Reliability]** **[Extreme Safety]**

The NURI C series represents the heavy-duty model of the NURI series collaborative robots. It has an IP67 rated dustproof and waterproof function, making them suitable for use even in wet environments. Additionally, joint torque sensors are built into all axes, enabling more sensitive responses to collisions and other events.

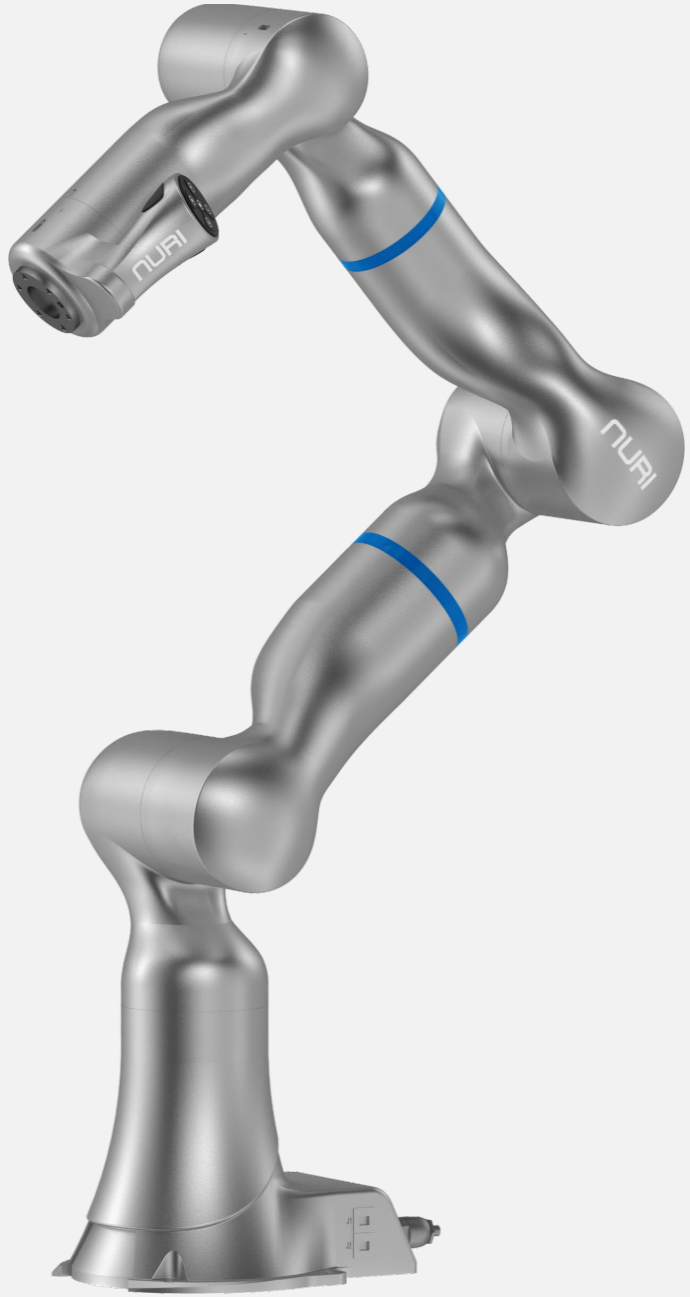
With payload capacities of 7kg, 12kg, 18kg, and 20kg, these robots are designed for heavy-duty tasks. The 7/12/18/20kg payload models allow for high payload work. They offer the same level of repeatability and path accuracy as industrial robots, making them suitable for various manufacturing automation applications.

NURIC

Neuromeka Collaborative Robot Ecosystem, **NURI C Series**

Spec

ITEM	NURI7c	NURI12c	NURI18c	NURI20c
Payload / DOF	7 kg / 6 DOF	12 kg / 6 DOF	18 kg / 6 DOF	20 kg / 6 DOF
Repeatablity	±0.02 mm	±0.03 mm	±0.03 mm	±0.05 mm
Maximum Speed at Tool End	≤3.2 m/s	≤3.0m/s	≤3.0m/s	≤3.5m/s
Mounting Method	Mounting at any angle	Mounting at any angle	Mounting at any angle	Mounting at any angle
Weight (built-in control cabinet)	About 27 kg	About 43 kg	About 40 kg	About 75 kg
IP Rating	IP54 / IP67	IP54 / IP67	IP54 / IP67	IP54 / IP67
Operating Temperature	0℃~50℃	0℃~50℃	0℃~50℃	0℃~50℃
Adjustable Range of Cartesian Stiffness	0~3000 N/m | 0~300 Nm/rad	0~3000 N/m | 0~300 Nm/rad	0~3000 N/m | 0~300 Nm/rad	0~3000 N/m | 0~300 Nm/rad
Reach	988 mm	1434 mm	1062 mm	1798 mm
Power Supply	90-264VAC, 47-63Hz/48VDC	90-264VAC, 47-63Hz/48VDC	90-264VAC, 47-63Hz/48VDC	90-264VAC, 47-63Hz/48VDC
Force Sensing (tool flange)	Force x-y-z | Torque x-y-z	Force x-y-z | Torque x-y-z	Force x-y-z | Torque x-y-z	Force x-y-z | Torque x-y-z
Relative Accuracy of Force Control	0.5 N | 0.1 Nm	0.5 N | 0.1 Nm	0.5 N | 0.1 Nm	0.5 N | 0.1 Nm
Range of Motion	±175° for all joints	1 : ±175° | 2 :±170° | 3,4,5,6 : ±175°	1 : ±175° | 2 :±170° | 3 : ±165° | 4,5,6 : ±175°	1,2 : ±175° | 3 :±170° | 4,5,6 : ±175°
Maximum Speed	1,2 : 180°/s | 3 :234°/s | 4,5 : 240°/s | 6 : 300°/s	1,2 : 120°/s | 3 :180°/s | 4 : 234°/s | 5,6 : 240°/s	1,2 : 120°/s | 3,4,5,6 : 180°/s	1,2,3 : 120°/s | 4 : 180°/s | 5,6 : 234°/s



NURI E

Neuromeka Collaborative Robot Ecosystem, **NURI E Series**

[Superior Performance] **[NII Compliant Flexibility]**

[Ease of Use] **[Excellent Reliability]** **[Extreme Safety]**

The NURI E series is a collaborative robot with no offset, similar to a human arm, and has joint torque sensors built into all axes, making it highly sensitive to collisions.

Neuromeka provides a model with a payload of 3/7kg, as well as a 6-axis robot and a 7-axis robot for research and development, allowing users to have various routes into automation. With the ability to follow various paths including obstacle avoidance, these collaborative robots are suitable for a wide range of applications such as in education and F&B automation.

NURIe

Neuromeka Collaborative Robot Ecosystem, **NURI E Series**

Spec

ITEM	NURI3e	NURI3er	NURI7e	NURI7er
Payload / DOF	3 kg / 6 DOF	3 kg / 7 DOF	7kg / 6 DOF	7kg / 7 DOF
Repeatablity	±0.03 mm	±0.03 mm	±0.03 mm	±0.05 mm
Maximum Speed at Tool End	≤3.0 m/s	≤3.0m/s	≤2.8 m/s	≤2.5 m/s
Mounting Method	Mounting at any angle	Mounting at any angle	Mounting at any angle	Mounting at any angle
Weight (built-in control cabinet)	About 21 kg	About 22 kg	About 27 kg	About 29 kg
IP Rating	IP54	IP54	IP54	IP54
Operating Temperature	0℃~45℃	0℃~45℃	0℃~45℃	0℃~45℃
Adjustable Range of Cartesian Stiffness	0~3000 N/m | 0~300 Nm/rad	0~3000 N/m | 0~300 Nm/rad	0~3000 N/m | 0~300 Nm/rad	0~3000 N/m | 0~300 Nm/rad
Reach	1010 mm	1010 mm	1125 mm	1125 mm
Power Supply	90-264VAC, 47-63Hz/48VDC	90-264VAC, 47-63Hz/48VDC	90-264VAC, 47-63Hz/48VDC	90-264VAC, 47-63Hz/48VDC
Force Sensing (tool flange)	Force x-y-z | Torque x-y-z	Force x-y-z | Torque x-y-z	Force x-y-z | Torque x-y-z	Force x-y-z | Torque x-y-z
Relative Accuracy of Force Control	0.5 N | 0.1 Nm	0.5 N | 0.1 Nm	0.5 N | 0.1 Nm	0.5 N | 0.1 Nm
Range of Motion	1 : ±170° | 2,3 : ±120° | 4 : ±170° | 5 : ±120° | 6 : ±360°	1,3,5 : ±170° | 2,4,6 : ±120° | 7 : ±360°	1,4 : ±170° | 2,3,5 :±120° | 6 : ±360°	1,3,5 : ±170° | 2,4,6 : ±120° | 7 : ±360°
Maximum Speed	1 : 180°/s | 2 :150°/s | 3 : 180°/s | 4,5,6 : 225°/s	1,3,4 : 180°/s | 2 :150°/s | 5,6,7 : 225°/s	1,2 : 90°/s | 3,4,5,6 : 180°/s	1,2 : 90°/s | 3,4,5,6,7 : 120°/s

NURI S

Neuromeka Collaborative Robot Ecosystem, **NURI S Series**

[Lightweight & Flexible]

[Fast Returns]

[Ease of Use]

[Excellent Reliability]

[Extreme Safety]

The NURI S Series is a lightweight collaborative robot model in the NURI Series, designed for applications such as coffee and F&B automation. Despite its small size, the joint torque sensors built into all axes make it more sensitive to collisions, and its IP54 rating makes it suitable for automation applications.

The model with a payload of 3/4kg is a collaborative robot suitable for education and F&B automation with the same repetition accuracy and path precision as industrial robots.

NURIS

Neuromeka Collaborative Robot Ecosystem, **NURI S Series**

Spec

ITEM	NURI3s	NURI4s
Payload / DOF	3 kg / 6 DOF	4 kg / 6 DOF
Repeatablity	±0.02 mm	±0.03 mm
Maximum Speed at Tool End	≤3.0 m/s	≤2.0 m/s
Mounting Method	Mounting at any angle	Mounting at any angle
Weight (built-in control cabinet)	About 13.8 kg	About 16.5 kg
IP Rating	IP54	IP54
Operating Temperature	0℃~50℃	0℃~50℃
Adjustable Range of Cartesian Stiffness	0~3000 N/m | 0~300 Nm/rad	0~3000 N/m | 0~300 Nm/rad
Reach	705 mm	919 mm
Power Supply	48VDC	90-264VAC, 47-63Hz/48VDC
Force Sensing (tool flange)	Force x-y-z | Torque x-y-z	Force x-y-z | Torque x-y-z
Relative Accuracy of Force Control	0.5 N | 0.1 Nm	0.5 N | 0.1 Nm
Range of Motion	1,4,5,6 : ±175° | 2 : -155°~+140° | 3 : -175°~+135°	1,4,5,6 : ±175° | 2 : -160°~+150° | 3 : -170°~+140°
Maximum Speed	180°/s for all joints	180°/s for all joints

ITEM	NURI CB (for S Series)
Controller	Independent control box (LightCab)
Dimensions	228.5 mm × 180 mm × 88 mm
Operator Interface	Notebook/PAD/xPad/Interactive Button
Safety Protection Device	1 external emergency stop
Direct Teaching Control	Drag mode: Cartesian space/joint space; teaching mode: pont position/continuous trajectory
Highly Dynamic Force Control	Impedance control of Cartesian/joint space; motion planning for force control search
Communication Protocols	TCP/IP 1000Mbit, Modbus TCP, Profinet, Ethernet/IP, DeviceNet, CC-Link, CC-Link IE Field Basic
External Control Interface	Highly dynamic external control; low-level force/position control; robot model library and API

ICON

a high-performance industrial robot with cobot's safety and ease, ICoN

Industrial Collaborative robot Next

Collaborative Safety

advanced collision detection algorithms
shows robot status with RGBW light
supports peripheral safety devide (e.g. laser scanner)

Easy-to-use

supports intuitive direct teaching by impedance control
user friendly teach pendant app running on android tablet
Enables Lead-Through function

High-Performance

815deg/s maximum speed and 0.03mm
4 pneumatic tube
up to IP67

'ICoN' is a next-generation co-industrial robot with the safety and ease-of-use features of the Neuromeka collaborative robot 'Indy'. By adding an advanced collision detection algorithms, status indicators, and peripheral safety devices such as laser scanners, safety that was not found in existing industrial robots has been greatly improved. Direct teaching by impedance control, tablet-based teach pendant app 'CONTY', and force sensor-based Lead-Through devices enable easy programming. 'ICoN' provides high productivity by providing 2.3 times the speed and high repeatability compared to cobots, up to IP67 waterproof and dustproof rating, and 4 pneumatic lines. total 7 models are provided according to the payload and reach

ICON

a high-performance industrial robot with cobot's safety and ease, **ICoN**

Industrial Collaborative robot Next

ITEM	ICoN3	ICoN7	ICoN7L	ICoN10
Maximum Reach	560mm	710mm	920mm	1420mm
Payload	3kg	7kg	7kg	10kg
Weight	23kg	49kg	52kg	180kg
Ingress Protection	IP65	IP65	IP67	Wrist IP67
Repeatabillity	± 30μm	± 30μm	± 30μm	± 30μm
DOF	6	6	6	6
Joint Motion Range (deg)	1: ±170 | 2: -110, +120 | 3: -110, +155 | 4: ±200 | 5: ±120 | 6: ±350	1: ±170 | 2: -100, +135 | 3: -120, +156 | 4: ±200 | 5: ±135 | 6: ±360	1: ±170 | 2: -100, +135 | 3: -120, +156 | 4: ±200 | 5: ±135 | 6: ±360	1: ±170 | 2: -85, +150 | 3: -95, +170 | 4: ±195 | 5: ±135 | 6: ±360
Maximum Joint Speed (deg/s)	1: 450 | 2: 450 | 3: 525 | 4: 600 | 5: 600 | 6: 800	1: 380 | 2: 350 | 3: 480 | 4: 490 | 5: 565 | 6: 815	1: 380 | 2: 320 | 3: 390 | 4: 490 | 5: 565 | 6: 815	1: 200 | 2: 200 | 3: 200 | 4: 370 | 5: 370 | 6: 600

ITEM	ICoN12L	ICoN20	ICoN20L
Maximum Reach	2001mm	1702mm	2001mm
Payload	12kg	20kg	20kg
Weight	300kg	270kg	280kg
Ingress Protection	Wrist IP67	Wrist IP67	Wrist IP67
Repeatabillity	± 60μm	± 60μm	± 60μm
DOF	6	6	6
Joint Motion Range (deg)	1: ±170 | 2: -95, +155 | 3: -95, +170 | 4: ±185 | 5: ±135 | 6: ±400	1: ±170 | 2: -85, +150 | 3: -95, +170 | 4: ±180 | 5: ±135 | 6: ±400	1: ±170 | 2: -85, +150 | 3: -95, +170 | 4: ±180 | 5: ±135 | 6: ±400
Maximum Joint Speed (deg/s)	1: 175 | 2: 175 | 3: 170 | 4: 355 | 5: 355 | 6: 300	1: 175 | 2: 175 | 3: 170 | 4: 360 | 5: 360 | 6: 600	1: 175 | 2: 175 | 3: 170 | 4: 360 | 5: 360 | 6: 600

moby

Versatile autonomous mobile robot with collaborative robot

Agile

agile and precise control with 4 steering wheels (2DOF)

Extensive

non-restriction on workspace

Integrated

Integration with sensor and workpallet by changing the sensor plate.

'Moby' is Neuromeka's autonomous mobile robot platform for 'Indy'. 'Moby' makes 'Indy' has non-restriction workspace. 'Moby' can be equipped with various sensors by changing the sensor plate. Moby can be used for delivery, patrol, quarantine, and guidance by replacing workpallets. Since the four steering wheel modules (2DOF) minimize the deviation of the driving force, the straight-line controllability and the omnidirectional driving direction controllability are excellent.

moby

Versatile autonomous mobile robot with collaborative robot

Spec

ITEM	Moby
Size	600 x 950 x 589.5 (mm)
Weight	200kg (Indy, battery included)
Payload	100kg
Rotation radius	1,082mm

ITEM	Battery
Battery Type	lithium ion battery
Pack Size	W 430 x D 433.4 x H 317 (mm)
Weight	98kg
Battery configuration	14S18P x 2 Module
Total energy capacity	4.59kWh x 2 Module
Usable energy capacity	3.18kWh x 2 Module
Nominal battery capacity	89.1Ah x 2 Module
Voltage range	42-57.4V
Mormal voltage	51.6V
Charge voltage	57.4V
Discharge voltage	39.2V
Charge/Discharge current (nominal)	20A/-20A
Charge/Discharge current (max	50A/-50A
Charge/Discharge power (nominal)	1,032W/-1,032W
Charge/Discharge power (max)	2,580W/-2,580W
DC Disconnect	N-Channel FET and Fuse

D

Pride of Korean delta robots for high-speed automation **'D'**

Fast
for productivity

Precise
for a variety of tasks with precision

Integrated
for total automation solution

Neuromeka's 'D' is the world-class high-speed high-precision four-axes delta robot based on custom vibration suppression design.
In terms of payload capacity and workspace radius two standard models are under production: 'D3' (with 3kg payload) and 'D6' (with 6kg payload). Neuromeka's delta robots provides total automation solutions with custom grippers, conveyor belts, and vision sensors integrated with PLCs in order to satisfy clients' requirement for line automation.

D

Pride of Korean delta robots for high-speed automation **'D'**

Spec

ITEM		D3	D6
Weight		60kg	80kg
Payload		3kg	6kg
DOF		4axis	4axis
Reachable Area	XY Axis	800mm	1300mm
	Z Axis	300mm	500mm
	Roll Axis	±180 deg	±180 deg
Repeatability		±0.1mm	±0.1mm
Actuator		AC servo motor, absolute encoder	AC servo motor, absolute encoder

INDYEYE

Reasonable price and reliable performance, ideal vision solution for Cobot **'IndyEye'**

High-performance

Vision solution
with deep learning

Reasonable

Reasonable price via low-cost vision sensor
and shared deep learning server

Flexible

Various applications
without installation obstacle

Deep learning based, high-performance vision solution IndyEye offers affordable solutions through l ow-cost vision sensor and deep learning server sharing.

Unlike former vision sensors that require demanding working conditions, IndyEye can be applied fle xibly to any working environment without large space or bright lights, and deep learning server sha ring can store working objects data to respond to customer requests. In small and medium-sized m anufacturer that require variants of manufacturing lines frequently, IndyEye enables a variety of task s and quick application.

INDYEYE

Reasonable price and reliable performance, ideal vision solution for Cobot **'IndyEye'**

Spec

ITEM	IndyEye
Size	67mm x 67mm x 74.4mm
Processing Time	250~1500 ms/img
Field of View (H/V/D)	86˚ ± 5˚ / 70˚ ± 5˚ / 100˚ ± 5˚
Interface	USB2.0
Working distance	5cm-70cm

CORE

Integrated module for your own cobot **'CORE'**

All in one

all components integrated, i.e.
Harmonic drive, motor, brake, encoder,
drivers, and EtherCAT controller

Design-centric

hollow axis design for maximizing
joint travel range
and aesthetic link design

Compatible

CoE protocol for
standard EtherCAT master controllers

Neuromeka's smart actuators 'CORE' are joint driving modules with frameless motor, harmonic drive, magnetic brake, multi-turn absolute encoder, EtherCAT slave board, and motor driver integrated through a common hollow axis structure.

Hollow axis design enables aesthetic robot design for motor power lines and EtherCAT control lines go through the hole. 'CORE' series (adopted to Indy lineup) consists of four models in terms of rated power, e.g. 'CORE100/200/500 and 1000' (100W, 200W, 500W, and 1000W, respectively). Every 'CORE' module supports torque command update up to 8kHz, and users can implement customized servo algorithm at the user application level. As 'CORE' modules are provided without outer frame by default, it helps to design users' custom robot.

CORE

Integrated module for your own cobot **'CORE'**

Spec

ITEM	CORE100	CORE200
Rated Power	100W	200W
Rated Voltage	48V	48V
Maximum Continuous Current	3.8A	4.8A
Rated Output Torque	21Nm	50Nm
Rated Output Speed	180deg/s	150deg/s
Size	Φ80 x 135mm	Φ90x 145mm
Weight	1.45kg	1.84kg

ITEM	CORE500	CORE1000
Rated Power	500W	1130W
Rated Voltage	48V	48V
Maximum Continuous Current	11.7A	22.6A
Rated Output Torque	121Nm	515Nm
Rated Output Speed	150deg/s	120deg/s
Size	Φ142 x 155mm	Φ178 x 195mm
Weight	4.87kg	9.1kg

STEP

Realtime embedded EtherCAT master robot controller **'STEP'**

Powerful

based on high perfor
mance realtime OS

Industrial

implementing high-speed,
realtime, multi-axes,
and synchronized distributed control

Versatile

integrating a variety of
open source libraries
and device interfaces

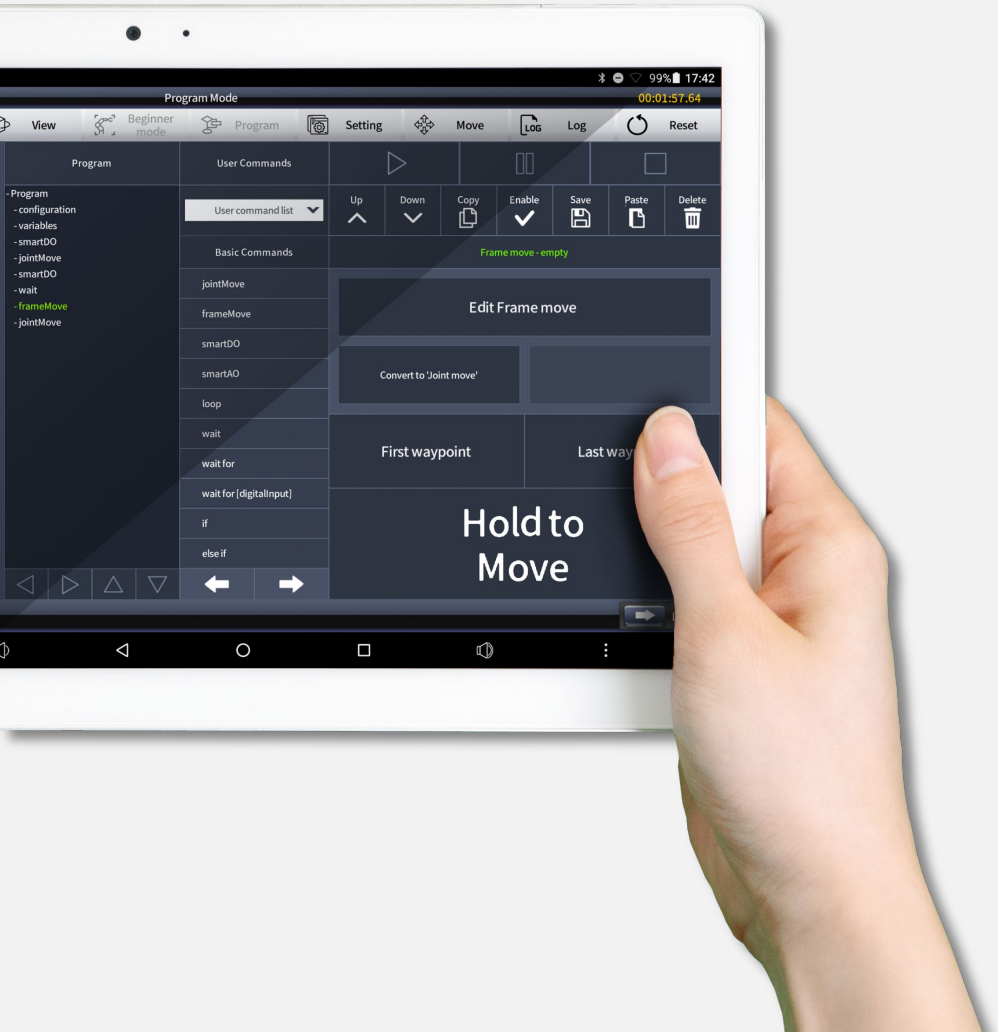
'STEP' comes with NRMKPlatform SDK, a software framework for development of realtime control applications on Linu x/Xenomai environment which is the hard realtime OS.
Development environment running on MS Windows® is also provided in order for engineers unfamiliar with Linux en vironment to develop embedded control applications.
'STEP' is integrated with EtherLab, which has been proven open-source EtherCAT master stack for many systems, for multi-axes synchronized high-speed realtime distributed control. Development of standard EtherCAT based realtime c otrol applications is supported by CoE (CANopen-over-EtherCAT) protocol based programming interface. Software too ls are provided for automatic generation of basic CoE based application codes. Legacy devices with RS485 or CAN int erfaces can be connected for standard ports. In order to facilitate CAN based applications NRMKPlatform SDK has RT CAN and CanFestival (open-source CANOpen framework software) installed.
'STEP2' is the default controller responsible for realtime control of Indy lineup, and runs 4kHz model-based impedanc e control algorithms. 'STEP3', a performance model intended for advanced research and development, is integrated wi th a high-performance GPU card and NIVIDIA TensorRT library which facilitates development of a variety of algorithms based on high-speed deep learning inference computation.

STEP

Realtime embedded EtherCAT master robot controller **'STEP'**

Spec

ITEM	STEP2	STEP3
Platform	Fanless Braswell Industrial PC	Skylake Industrial PC
CPU	Intel Celeron Braswell soc(4X,1.6GHz)	Intel Skylake i7-6700K(3.4GHz)
RAM	4GDDR3	8GDDR4
Storage	128G SSD(SATA3)	128G SSD
Ethernet	1port	1port
EtherCAT	1port	1port
GPIO	16pin	N/A
RS485/422	1port	1port
RS232	2port	1port
CAN	1port	N/A
Dim	204 × 185 × 52	350 × 265 × 182
Optional	-	Geforce GTX 1080 Ti



CONTY

Everyone's teach pendant for cobot programming **'CONTY'**

Friendly

like typical Android app

Light

using Androd Tablet.
light, portable and cordless

Economic

unnecessary purchasing of teach pendant,
just install CONTY app on Android Tablet

'CONTY' is the teach pendant app (running on Android OS) developed independently to program every cobot of Neuromeka.

As such it runs on every standard android tablet. Communicating with the robot controller 'STEP' i n wired or wireless manner, it supports online and offline programming of Indy lineup as well as di rect teaching. Thanks to abundant features designed intuitively anyone can program Neuromeka's cobot.

*Available with exclusive tablet for 'CONTY'

CONTY

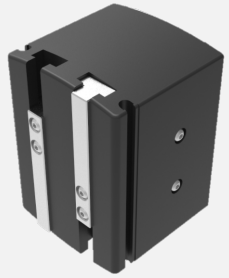
Everyone's teach pendant for cobot programming **'CONTY'**

Spec

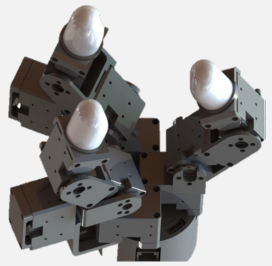
ITEM	**Exclusive Tablet for 'CONTY'**
CPU	MediaTek Deca-Core MT6797T (10-core)
Display	10.1inch / 2560 X 1600 (WQXGA)
OS	Android
Memory / Storage	4GB / 64GB eMMC
Battery	8000mAh
Network	Wi-Fi 2.4GHz/5GHz (IEEE 802.11 ac/a/b/g/n) / GPS
Size / Weight	239mm × 166.9mm × 7.5mm / 550g
Camera	1,300 megapixel (Front, Rear)
Components	Tablet, Charger, Cable, Cover case

INDYTOOLS

Link robot control SW and teach pendant **'IndyTools'**



ITEM	Gripper
Model name	MPLM 1630
Gripping Force	63N
Stroke	2x15mm
Jw Closing Time	0.37s
Power Supply	24Vdc
Nominal Current	: 0.3A
Mass	263g
Feature	Optimized electric gripper for collaborative robots



ITEM	Robot Hand
Model name	IndyHand
Finger	Fully actuated robot hand (3-finger)
Weight	1.7kg
DOF	11
Algorithm	Advandced blind grasping algorithm
Control	Torque control
Actuator	DYNAMIXEL (ROBOTIS)
Feature	Flexible grip with three fingers and eleven DOF

ITEM	Torque Sensor
Model name	RFT76-HA01
Dimension	Φ76 x 18.5mm
Weight	200g
Data Rate	max 1,000Hz
Load Capacity	300N, 8Nm(torque)
Resolution	200mN, 8mNm(torque)
Feature	Capacitance type, 6 axis force torque sensor with low price

ITEM	BASE
Model name	Mobile Base
Weight	about 50kg
Height	420mm / 685mm
Feature	Axial folding mobile base

INDYGO

Robot as a Service **'IndyGO'**

'IndyGO', which is the compound word of 'Indy' (Neuromeka's cobot) and 'go' (meaning 'go to clients sites'), stands for the total solution service providing deployment, operation as well as maintenance of cobots for clients.

'IndyGO' provides service covering the whole process of cobot deployment of analysis-design-installation-operation-maintenance necessary. To this end a service platform adopting 'Lean Robotics' methodology is utilized to facilitate automatic diagnosis and analysis of target manual cells. It also provides smart factory feature using industrial IoT and smart connected maintenance. Customized and integrated 'IndyGO' services through thorough analysis of production process provide a most efficient robot layout and operation plan in production line. This enables cost reduction as well as productivity maximization and can be applied actively to dynamically changing manufacturing processes. 'IndyGO' is specializing in small and medium sized manufacturing companies is provided with leasing and monthly subscription model to minimize the initial investment cost, thereby lowering the barrier to constructing robot automation production line. All costs, time, and effort for robot purchasing, system integration, maintenance, and related personnel training can be solved through 'IndyGO' service, and cobot-centered automation can be operated at a reasonable cost, which in turn guarantees quick and high return on investment.

INDYCARE

The beginning of remote management of robots for smart factory **'IndyCARE'**

Remote

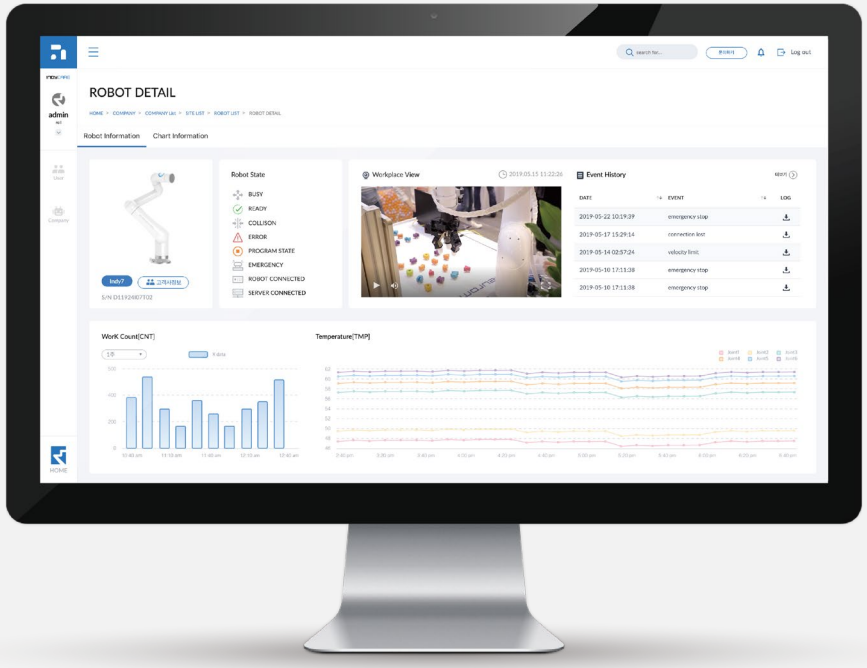
Management beyond time and space limitation

Effective

Reconsideration of the time and cost efficiency required for cobot management

Preventable

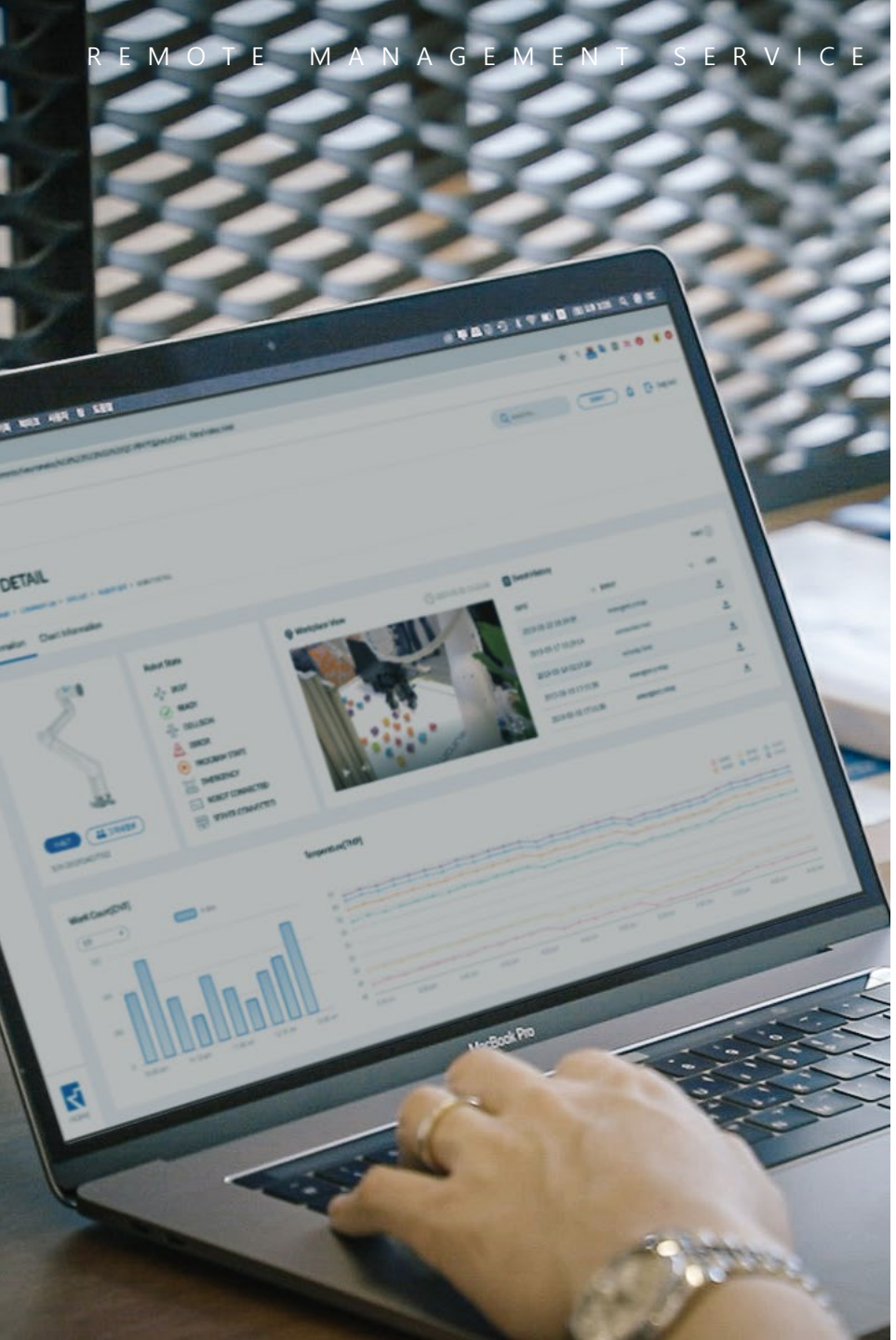
Real-time monitoring to prevent malfunction of cobots



'IndyCARE' is a web service created for remote management of cobots.

If you have an Internet connection, you can access the cobot's real-time status, operating data, and event logs anytime, anywhere. The operating data has three additional input channels that can be customized t o fulfill the user's needs, in addition to Cobot's work counts and the temperature of each joint. We also p rovide video streaming services of the worksite through the accompanying web camera with cobot.

'IndyCARE' stores event log files and streaming videos for all collision detection and emergency stop situ ations during work to help determine the causes of robot administrators and enable engineers to provide remote CS support.



INDYCARE

The beginning of remote management of robots for smart factory **'IndyCARE'**

function

Real-time monitoring of cobots	- Check whether or not operations are started - Remote management with collision and emergency stop situation monitoring (email alarm function in case of an abnormal situation)
Store work date	- Measure the productivity by collecting data on the work count by the Cobots - Temperature measurement of each joint monitoring for abnormal conditions - Customizing of data values
Video streaming of worksite	- Real-time transmission of the work site situation to the robot administrator with the camera connected to the 'IndyCARE'. - Visually check the status of cobot without visit each worksite
Collecting event log	- Collect log files for changes in cobot status (collision, emergency stop, etc.) - Subsequent monitoring of missed situations by robot administrators - Fast analysis of robot anomalies to reduce maintenance time and cost

03

Business Overview & Application

Robot as a Tool l Robot as a Service l Robots for Every Workplace

https://www.neuromeka.com

Key achievements of collaborative robot automation platform

(Small and medium-sized manufacturing companies)

Establishment of Automation System for production lines of domestic Small and Medium-sized Manufacturing Companies

S1 Company Press Process Reference

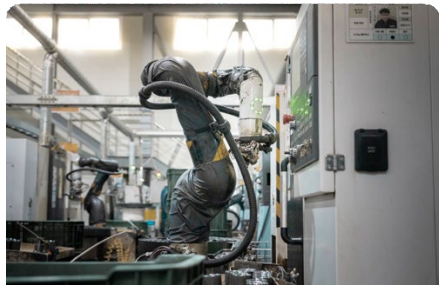
Refrigerator production line
Continuous press process automation

P company Assembly/Welding Reference

Air conditioner production line
Air conditioner hood
Semi-finished product welding process automation

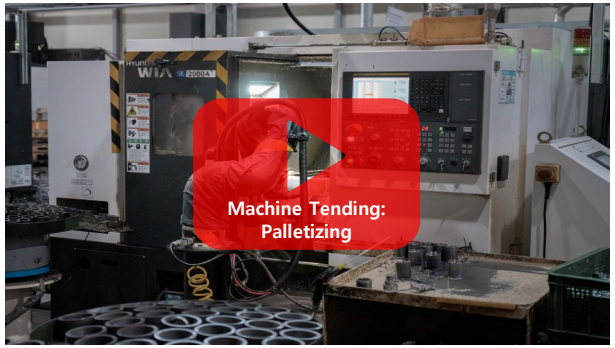
S2 Company Machine Tending Reference

Automotive hydraulic valve CNC machining
Machine tending automation



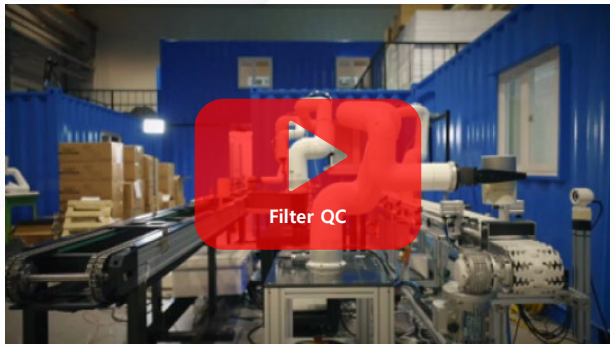
Manufacturing

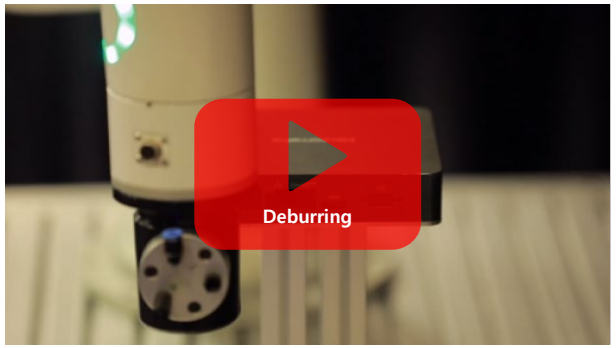
APPLICATION & DEMO



Manufacturing

APPLICATION & DEMO





Major achievements of collaborative robot automation platform

(F&B Industry)

Starts business with leading domestic chicken franchise and expands to various F&B fields
such as pizza, cafes, and highway rest area restaurants

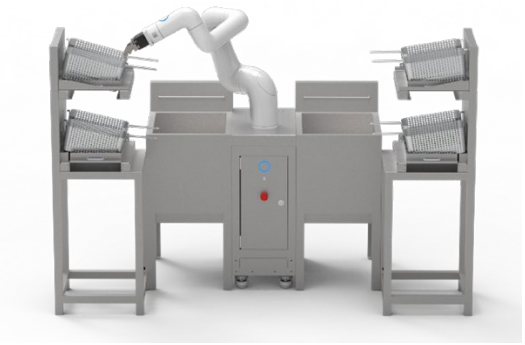
Chicken Frying References

KYOCHON

First robot supply
contract for its franchise

Evaluation
of taste

Category	점수		
	Original	Combo	Boneless
Franchisee cook	0	0	1
Neuromeka Robot cook	**16**	**13**	**10**
R&D researcher Cook	6	9	12



Pizza Cooking References

GOPIZZA

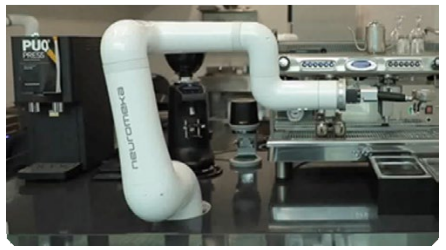
Prospects for additional contracts for franchisees and overseas expansion after the first supply

Other F&B business status

ex 한국도로공사
KORAIL

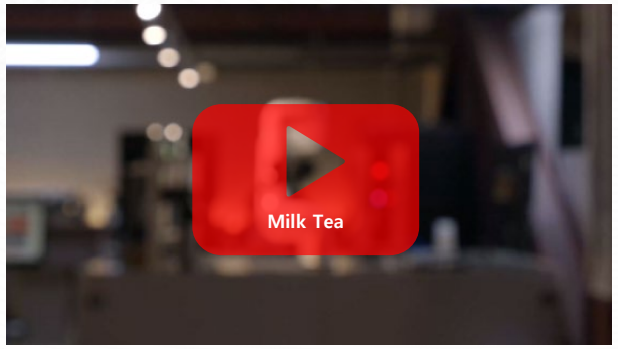
Korea Expressway Corporation

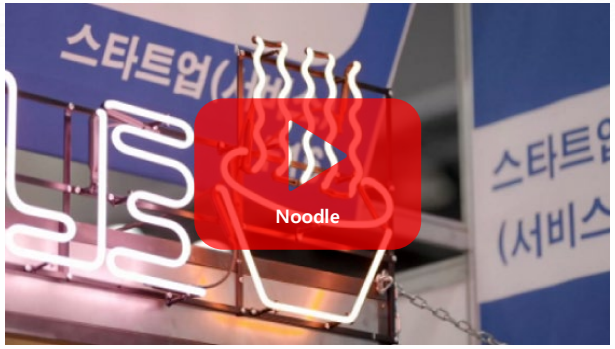
Installs on 5 highway rest areas and
2 KORAIL station sites
Prospects continuous business development
for highway rest areas and KORAIL stations

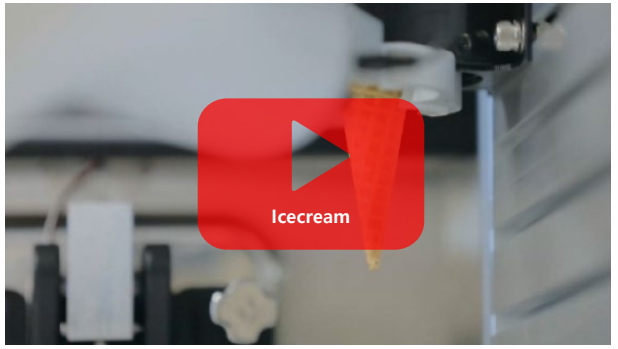


F&B, Service

APPLICATION & DEMO





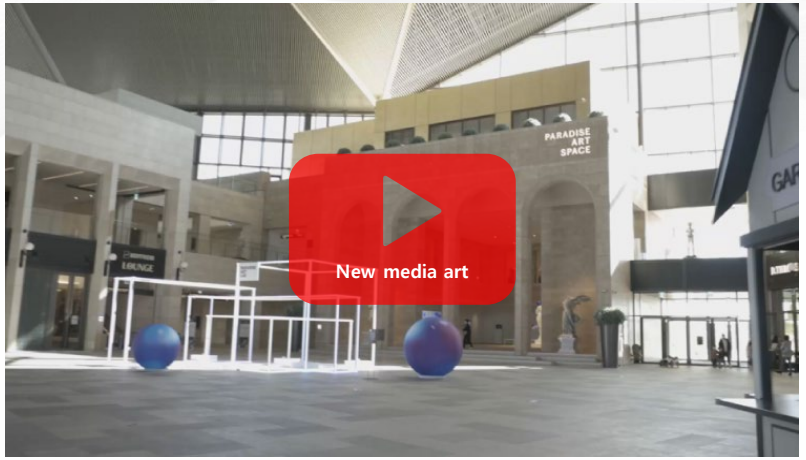


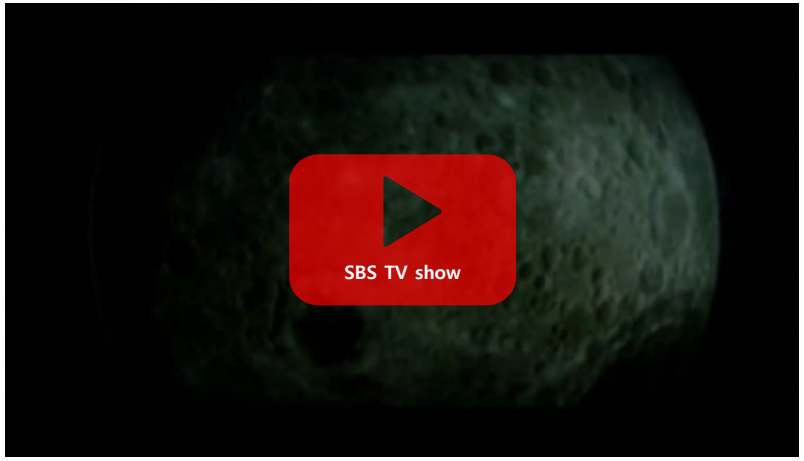
F&B, Service

APPLICATION & DEMO

Media, Art

APPLICATION & DEMO





04

New Business Overview

Robot as a Tool l Robot as a Service l Robots for Every Workplace

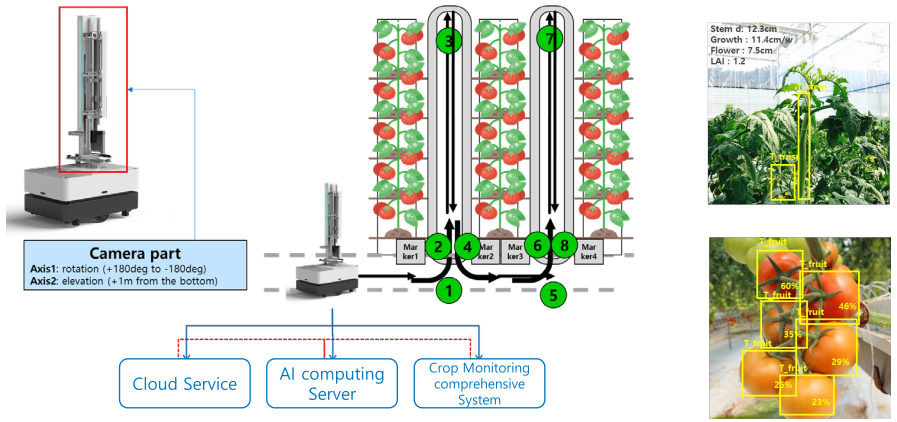
https://www.neuromeka.com

Smart Farm Robot Platform Development

Leading next-generation smart farm technology with autonomous driving, control, crop image data recording, AI-based image processing, and remote communication technology

Consortium development with Ag-Tech startup, ioCrops for agricultural production innovation

neuromeka X ioCrops The Greatest Step to Grow



1 Autonomous Driving

- Flatland and Rail Driving
- Driving scenarios by development stage

2 Crop Monitoring and Growth Indicator Measurement

- Data Collection Robot: Crop Image Collection
- Growth Indicator: Image-Based Recognition

3 Expandable Platform for Agricultural -work performance

- Pest Detection, Defoliation, Harvesting
- Optimal harvesting by superfluous fruits and leaf removal
- Utilizing recognition technology developed in the growth indicator measurement stage

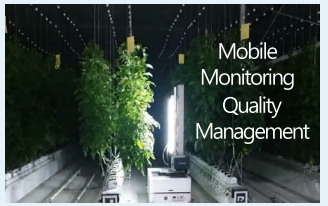
Advantages of smart farm robot platforms


Direct collection of growth data.

Limited area image data

Development of AI-based Mobile Agricultural Robot Platform


AI based prediction solution

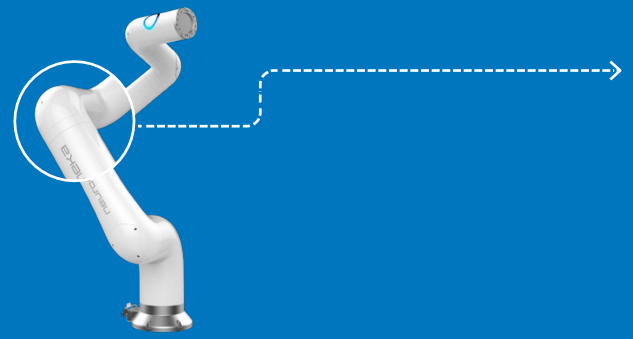


Data collection for the entire area

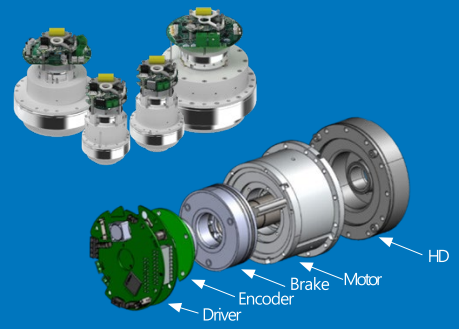
Vertical integration of core parts manufacturing

Continuous enhancement of hardware competitiveness through the vertically integrated manufacturing technology of parts such as motor and reducer.

Vertical integration of multi-degree-of-freedom lightweight robot mechanism

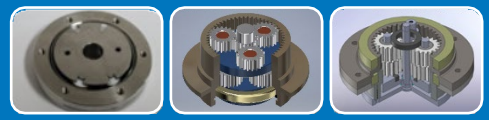


Vertical integration of Smart Actuator CORE



Continuous promotion of vertically integrated parts manufacturing

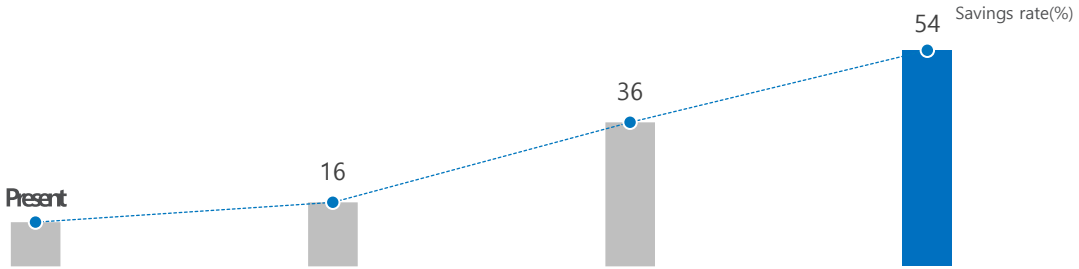
Frameless motor(7 models)



Reducer (mechanical/magnetic hybrid reducer. S ungearless planetary difference reducer)

INDY 7 Cost Savings Forecast

Part name	Cost saving rate compared to current price	
	2023	2024
Reducer	10%	30%
Motor	15%	72%
Mechanical parts	10%	40%
Circuit materials	43%	43%
Machining parts	0%	20%
PBA	15%	45%
Others	9%	19%
TOTAL	16%	36%



2022

· Frameless motor (7 models by 100~3000W) demo part development

· Replace Company P's motor with domestic ODM

· Development of mechanical/magnetic hybrid HD reducer prototype

· Construction of demo Processing Facility for Thin Planetary Gear Reducer

2023(E)

· Frameless motor(7 models by 100~3000W) mass production and Indy application

· In-wheel motor (3) demo production

· In-house manufacturing of Actuator

· Prototype development of Sungearless planetary difference reducer

2024(E)

· Mass production lineup expansion of Smart actuator

· Mass production of Sungearless planetary difference reducer

· Mass production of low-cost reducer replacing Harmonic drive

2025(E)

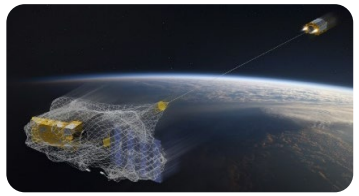
· Development of Drive Integrated Dual Absolute Encoder

· Mass production of magnetic motor-brake

Starting the space cleaning robot business

Entering the space cleaning business through government project orders and developing Korea's first space industry collaborative robot.

Prospects and major players in the space cleaning market

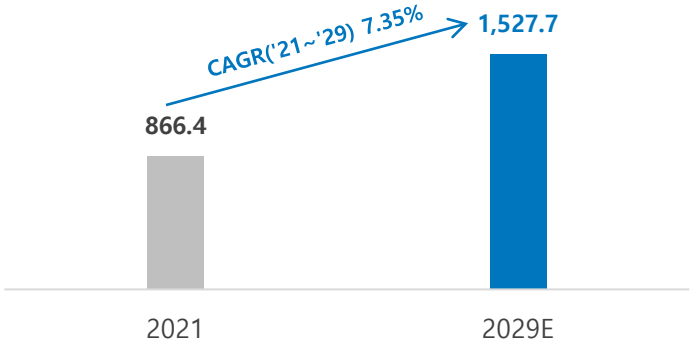


The Japanese startup 'Eil'

The Russian space startup 'StartRocket''

The global space debris monitoring and removal market

(Unit: M$)



Source: Fortune Business Insights(2021)

Entering the space-related robot market

방위사업청

Defense Acquisition Program Administration (DAPA)

Selected as a joint research and development institution for 'Development of technology for deployable and robot arm type mounted devices for capturing space debris'

- Space debris removal
- Orbit capture technology
- Deployable capture mounted device
- Robotic arm type capture mounted device
- Satellite rendezvous/docking

Source: Fortune Business Insights

Development of a battery fire extinguishing system

Expansion of fire extinguishing system business that can reduce the risk of secondary battery and battery fires

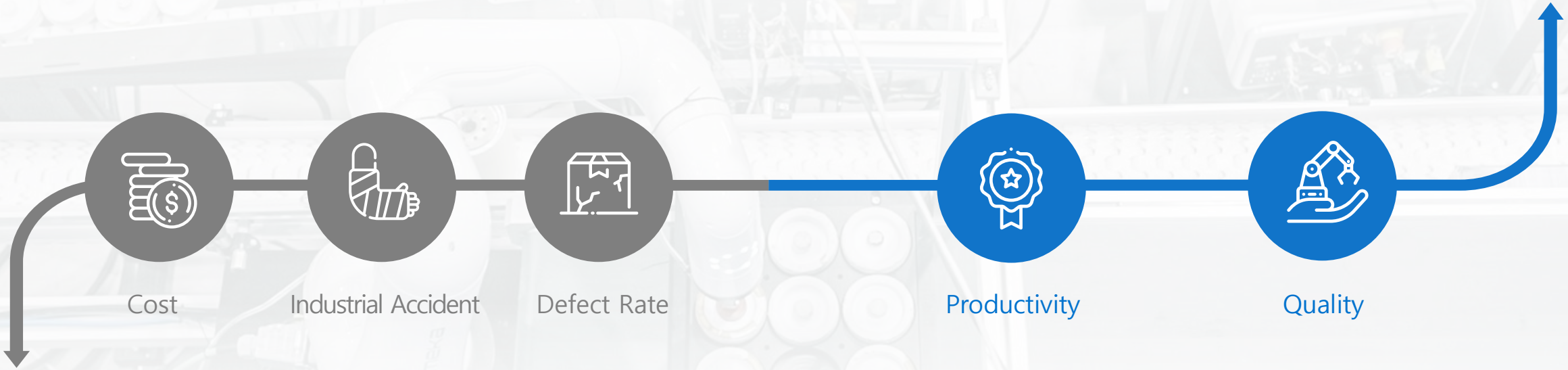
Overview and performance of battery fire extinguishing systems

- Excellent adaptability to class A and C fires of electric vehicle
- Minimizing damage with excellent insulation performance in case of fire in electric and control devices
- Excellent cooling effect with liquid type and no loss of life due to suffocation
- No damage to connection parts and metal devices by corrosion prevention performance
- No performance degradation in winter with a freezing point of -20℃
- Prevents fire spread by interfering with electrons movement in case of battery fire
- No risk of electric shock due to fire extinguishing activity in case of high voltage battery fire
- Initial suppression and prevention of fire spread such as electric vehicle and charging station
- Excellent penetration power for quick extinguishing effect

Expansion of application to various industries

- **Robot**
- **EV**
- **EV Charger**
- **Production and transportation site.**

ADVANTAGE OF ROBOT AUTOMATION



CERTIFICATION

자율안전확인 신고증명서

신청인	사업장명	주식회사뉴로메카 (Neurometka euromeka)	사업장관리번호	132-86-137660
	사업자등록번호	132-86-13766	대표자 성명	박종훈
	소재지	(04798) 서울특별시 강남구 연주로 859 5층(신사동, 쉬즈.에비뉴빌딩)		
자율안전인증대상 기계·기구명		산업용로봇		
형식(규격)		Indy7	용량(등급)	6 axis
자율안전확인번호		18-AB1EQ-01552		
제조자		주식회사뉴로메카 (Neurometka)		
소재지		(04798) 서울특별시 강남구 연주로 859 5층(신사동, 쉬즈.에비뉴빌딩)		

「산업안전보건법」 제35조제1항 및 같은 법 시행규칙 제61조제3항에 따라 자율안전확인 신고증명서를 발급합니다.

2018년 09월 10일

한국산업안전보건공단 서울지역본부장

TÜV NORD

Certificate of conformity to the following European Directives

Registered No.: K11579/E18

Electromagnetic Compatibility Directive 2014/30/EU

Reference of applicant	Date of application	File reference	Test report No.	Date of issue
-	01.08.2018	KP-18-441	K10996/E18	24.08.2018

This is to certify that the following products comply with the essential requirements (Annex 1) of the above mentioned European Directive and the following standards:

Product: Collaborative Robot

Type designation: Indy7

Applicant: NEUROMEKA
5th Floor, 859, Eonju-ro, Gangnam-gu, Seoul 06023, Korea

Manufacturer: Same as above

Standard(s): EN 61000-6-4:2007 + A1:2011
EN 61000-6-2:2005

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification Body for Product Certification

TÜV NORD Korea Ltd.
Tel.: +82-2-2180-0070
Fax: +82-2-556-3985
E-mail: tnk@tuv-nord.com

CE The CE marking can be affixed on the product if all relevant and effective Directives are complied with. CE

TÜV NORD

Certificate of conformity with the following European Directives

Registered No.: K11578/M18

Machinery Directive 2006/42/EC

Reference of applicant	Date of application	File reference	Test report No.	Date of issue
-	01.08.2018	KP-18-440	K10995/M18	10.08.2018

This is to certify that the following products comply to the essential requirements (Annex 1) of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product: Collaborative Robot

Type designation: Indy7

Applicant: NEUROMEKA
5th Floor, 859, Eonju-ro, Gangnam-gu, Seoul 06023, Korea

Standard(s): EN ISO 12100:2010
EN 60204-1:2006 + A1:2009
EN ISO 10218-1:2011

This Certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification Body for Product Certification

TÜV NORD Korea Ltd.
Tel.: +82-2-2180-0070
Fax: +82-2-556-3985
E-mail: tnk@tuv-nord.com

CE The CE marking can be affixed on the product if all relevant and effective Directives are complied with. CE

DNV·GL

CERTIFICATE OF COMPLIANCE

Certificate Number: 182984-2020-PA-KOR | Rev: 0 | Project No: PRJN-182984-2020-PA-KOR

This Certificate consists of 3 pages including this page.

This is to certify that the product(s)
Neuromeka Safety System 1.0

Manufactured by
Neuromeka

Address
15F, W, 7, Yeonmujang 5ga-gil, Seongdong-gu, Seoul, Republic of Korea

has been assessed with respect to
ISO 13849-1:2015

To comply the safety integrity requirement of
ISO 13849-1:2015 Category 3 PL d

Further details of the product and conditions for approval are given overleaf.

This certificate to be read in full. Reference to the part of this certificate which may lead to misinterpretation is not permissible. Any changes in design or construction may render this certificate invalid.

Seoul, 2020-3-5
for DNV GL Business Assurance

This Certificate is valid until
2025-3-5

Jang Sup Lee
Product Assurance Manager

DNV GL BA office:
Seoul

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.

Revision: 2023-03 | www.dnvgl.com | Page 1 of 3

CERTIFICATE

kiwa

Registration no.	KQ 202871	IAF Code	18
First issue date	2020-07-20	Issue date	2020-07-20
Expiry date	2023-07-19	Reissue date	2020-07-20

Quality Management System Certificate

KS Q ISO 9001:2015/ISO 9001:2015

We certify that the Quality Management System of the Organization:

Neuromeka Co., Ltd.

Is in compliance with the standard KS Q ISO 9001:2015/ISO 9001:2015 for the following products/services:

Design, development, production and service of collaborative robot

General Manager
Seung-Chan Lee

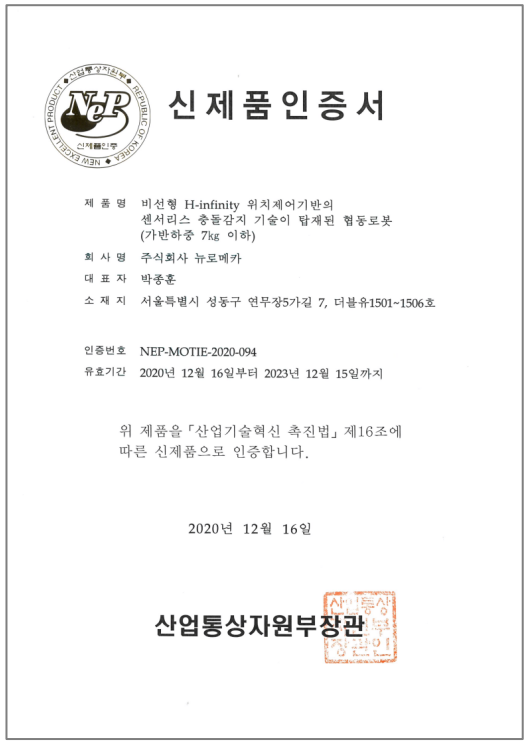
Maintenance of the certification is subject to continual surveillance audit and dependent upon the observance of Kiwa Korea's certification criteria.

Kiwa Korea Ltd.
411, SJ Technoville,
278, Beotkkot-ro,
Geumcheon-gu,
Seoul, Korea
Tel: +82.2.3397.0101
Fax +82.2.3397.0105
URL: www.kiwa.kr

Certified Sites
Head Office : West 15F, 7, Yeonmujang 5ga-gil, Seongdong-gu, Seoul, Korea
Production Site : 4, Techno 2-ro, Yuseong-gu, Daejeon, Korea

IAF KAB
KAB-QC-34

CERTIFICATION



신제품인증서

제 품 명 비선형 H-infinity 위치제어기반의
센서리스 충돌감지 기술이 탑재된 협동로봇
(가반하중 7kg 이하)

회 사 명 주식회사 뉴로메카

대 표 자 박종훈

소 재 지 서울특별시 성동구 연무장5가길 7, 더블유1501~1506호

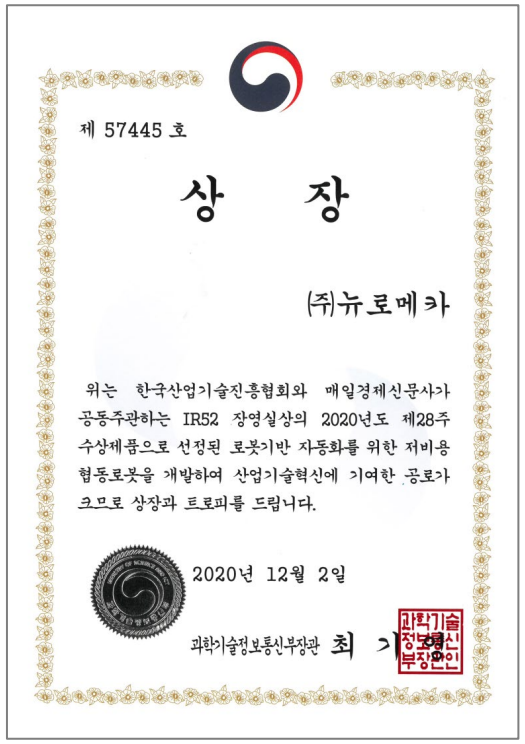
인증번호 NEP-MOTIE-2020-094

유효기간 2020년 12월 16일부터 2023년 12월 15일까지

위 제품을 「산업기술혁신 촉진법」 제16조에
따른 신제품으로 인증합니다.

2020년 12월 16일

산업통상자원부장관



제 57445 호

상 장

㈜뉴로메카

위는 한국산업기술진흥협회와 매일경제신문사가
공동주관하는 IR52 장영실상의 2020년도 제28주
수상제품으로 선정된 로봇기반 자동화를 위한 저비용
협동로봇을 개발하여 산업기술혁신에 기여한 공로가
크므로 상장과 트로피를 드립니다.

2020년 12월 2일

과학기술정보통신부장관 최

HB-210001

ROBOT COFFEE BREWING MASTER
CERTIFICATE

명예 커피 브루잉 마스터 자격증

INDY BaristaBot

Date of Birth February 14, 2013

This is to certify that the Robot mentioned above has suitably
held the qualification for The Coffee Brewing Master
and is awarded this certification by The Korea Coffee Association.

위 로봇은 사단법인 한국커피협회에서 시행하는
커피 브루잉 마스터의 자격을 갖추었기에 이 증서를 수여합니다.

2021 년 3 월 8 일

사단법인 한국커피협회
KOREA COFFEE ASSOCIATION

CUSTOMER

Company

7%
CJ Logistics Corp.
EYEDEA Inc.
HIMS Co., Ltd.
ISA Co., Ltd.
KITECH
KT Corp.
KT Commerce Co., Ltd.
LG Household & Health Care Ltd.
LG Electronics Inc.
LSIS Co., Ltd
SK telecom Co., Ltd.
SUTECH
TMC
KEONWOONG TECH Co., Ltd.
GOPIZZA Co.
KUKDONG JEYEN Co., Ltd.
GIMPO INDUSTRY Co., Ltd.
NAVER Co., Ltd.
NEXBRAIN
knowhow factory
DAWOOFA
Daincube Co., Ltd.
Dayang Chemical Co., Ltd
DSME Co., Ltd.
DONGWON F&B
DIOSYS
DO-HITECH
Rastech Co., Ltd.
Robostar Co.,Ltd.
ROBOTOUS Inc.
ROBOTECH Co., Ltd.
ROBOTIS Co., Ltd.
LOTTE DATA COMMUNICATION COMPANY
Mando Corp.
MadGenerator
MEDIASPACE
BULLSONE Co., Ltd.
bitsensing Inc.
CYBORG-LAB Co., Ltd.
SAMSUNG
samsung heavy industries Co., Ltd.
Shinshinsa Co.,Ltd.
C-Stone Technologies Co., Ltd.
CATECH Co., Ltd.
ASETEC Co., Ltd.
IEG Co.,Ltd.
itiz
YANG SUNG MACHINERY Co., Ltd.
eburnean Inc.
SH GLOBAL.
ESPA
Youngshin Factory Automation Co., Ltd.
WSS Co., Ltd.
ONETECHKOREA Co., Ltd.
Wizard
UVER
EIP Communication Co., Ltd.
EasyEndo Surgical
WebDisk
Ehwa Diamond Industrial Co., Ltd.
JS-TEC Co., Ltd.
ZETABANK
KNR SYSTEMS Inc.
TAEJIN Co., Ltd.
PASECO
Femtobiomed Inc.
4DWelcome & Mediaflow
POSCO
Hatio, Lab. Inc.
KOREA RENTAL
Korea conveyor ind. Co., ltd
Hanyang Packaging Machinaery Co., Ltd.
HYUNDAI MOBIS
Hyundai Heavy Industries Co., Ltd.
HWASHIN PRECISION Co., Ltd.

Educational Institution

Kyung Hee University
Keimyung University
Korea University
Kwangwoon University
Kookmin University
DGIST
Dong-a University
Pukyong National University
UNIST
Pusan National University
Sungkyunkwan University
Ajou University
Andong National University
Jeonbuk National University
Chung-ang University
KAIST
Koreatech
Korea Polytechnic University
Korea Polytechnics
Handong Global University.
Hanseo University
Hanyang University
Seoul National University Of Science And Technology
Pohang University Of Science And Technology
Korea National University Of Transportation

Research Institution

DGIST
KETI
KIMM
KIST
KITECH
KATECH
center Of Human-centered Interaction For Coexistence
National Rehabilitation Center
Korea Institute Of Footwear & Leather Technology
National Science Museum
Korea Institute Of Robotics & Technology Convergence
Korea Electrotechnology Research Institute

Overseas Company

APPLIED MEDICAL
BEIJING NOVA TECHNOLOGY CO.,LTD.
BOTZIAN & KIRCH GMBH
HANGZHOU GUOCHEN ROBOT TECHNOLOGY CO., LTD.
ISA TECHNOLOGY PTE. LTD.
JIANGSU SOPHIA SUPPLY CHAIN MANAGEMENT CO., LTD.
MINAMIDA CO.,LTD.
PHANTOM AI, Inc.
RELIANCE ENGINEERING COMPANY
SAM Elektronik San.ve Tic. Ltd.Şti.
SOUTHERN SUPPLY CO., LTD.
TALENT SYNERGY SDN. BHD.

PARTNER

Capital area Seoul / Gyeonggi / Incheon	**GoPizza**	Go Pizza Co., Ltd. 26, Dokmak-ro 19-gil, Mapo-gu, Seoul, Republic of Korea	+82 70 4469 6747	gofficial@gopizza.kr
	coston	11, Gurojungang-ro 40ga-gil, Guro-gu, Seoul, Republic of Korea	+82 70 7601 4261	sushium@naver.com
	Cobotsys	#418, Campus Plaza, 199 World Cup-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea	+82 10 6587 2020	jkjan27@cobotsys.co.kr
	MECSYS	1506~1507, 190, Soha-ro, Gwangmyeong-si, Gyeonggi-do, Republic of Korea	+82 2 6265 5558	mecsys@mecsys.co.kr
	FANIXON	622, 323, Somanggongwon-ro, Siheung-si, Gyeonggi-do, Republic of Korea	+82 31 318 9189	fanixon@fanixon.com
	IdeM	202-905, 388 Songnae-daero, Wonmi-gu, Bucheon-si, Gyeonggi-do, Republic of Korea	+82 32 234 1244	sales@idems.co.kr
	JY Engineering	#406, The First Tower, 140 Jinwi 2-sandan-ro, Jinwi-myeon, Pyeongtaek-si, Gyeonggi-do, Republic of Korea	+82 70 7721 2346	jth2346@hanmail.net
	The Blick Company	Room B-104, Namdong Techno Park, 51 Eunbong-ro, Namdong-gu, Incheon, Republic of Korea	+82 32 819 1909	mh@blick1908.com
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Daegu	**CANI**	205, 164, Obong-ro, Buk-gu, Daegu, Republic of Korea	+82 10 4977 4333	sdh1730@gmail.com
Gyeongsang-do	**Geumgang FA**	352, Seobu-ro 1701beon-gil, Juchon-myeon, Gimhae-si, Gyeongsangnam-do, Republic of Korea	+82 55 335 0693	rbtlr73@naver.com
	Diosis	15-5, Export-daero 5-gil, Gumi-si, Gyeongsangbuk-do (Gongdan-dong), Republic of Korea	+82 54 464 8227	leeshy@daum.net
	Robotable	Room 207, Building 3, Robot Research Center, 33 Robot Land-ro, Changwon-si, Gyeongsangnam-do, Republic of Korea	+82 70 4010 1800	sales@robotable.me
	lotal	27-21, Dulneum-gil, Yangsan-si, Gyeongsangnam-do, Republic of Korea	+82 51 911 2800	Jh.park@rotal.kr
	MAYR KOREA	3F, 1533 Yeondeok-ro 9beon-gil, Seongsan-gu, Changwon, Gyeongsangnam-do, Republic of Korea	+82 10 3149 5037	smg@mayrkorea.com
USA	**CEK Technology, Inc.**	1501 Panther Loop Suite 4A Pflugerville, TX 78660, USA	+1 512 745 3604	cek@cektech.com
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neuromeka