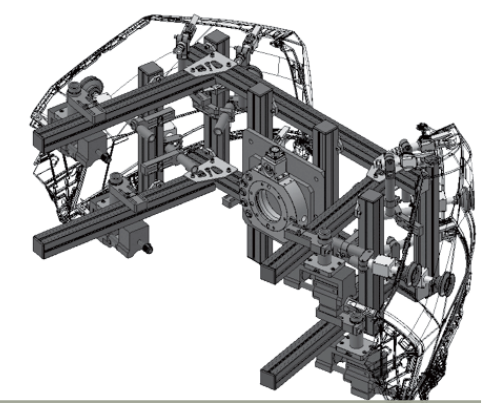


Dimensions of NURO Cartesian Robot

MODEL	DIMENSION																	
	A	B	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S
NURO5-0811S	1557 [1657] [1857]	2102	251	1600	251	800 [900] [1100]	200	306	1004	376	852	680 [680] [780]	172	-	-	-	-	-
NURO5-0811D	1607 [1707] [1907]	2102	251	1600	251	800 [900] [1100]	200	306	1004	376	852	580 [580] [680]	272	180	580	102	850 [950] [1100]	250
NURO10-1315S	2271 [2471]	2602	301	2000	301	1300 [1500]	250	400	1355	427	1170	980	190	-	-	-	-	-
NURO10-1315D	2311 [2511]	2602	301	2000	301	1300 [1500]	250	400	1355	427	1170	810	360	232	810	128	1350 [1550]	300
NURO15-1618S	2714 [2914]	3062	381	2300	381	1600 [1800]	300	480	1586	488	1407	1260	147	-	-	-	-	-
NURO15-1618D	2744 [2944]	3062	381	2300	381	1600 [1800]	300	480	1586	488	1407	1040	367	250	1040	117	1650 [1850]	350
NURO10-1315SII	1840 [1940]	2602	301	2000	301	1300 [1500]	250	400	1355	427	1170	980	190	-	-	-	-	-
NURO10-1315DII	1890 [1990]	2602	301	2000	301	1300 [1500]	250	400	1355	427	1170	810	360	232	810	128	1350 [1550]	300
NURO15-1618SII	2160 [2260]	3062	381	2300	381	1600 [1800]	300	480	1586	488	1407	1260	147	-	-	-	-	-
NURO15-1618DII	2210 [2310]	3062	381	2300	381	1600 [1800]	300	480	1586	488	1407	1040	367	250	1040	117	1650 [1850]	350
NURO25-1620SII	2000 [2100]	3400	450	2500	450	1800 [2000]	300	470	1940	550	1835	1500	343	-	-	-	-	-

※ The above specifications may change without prior notice.

NAU Grip System

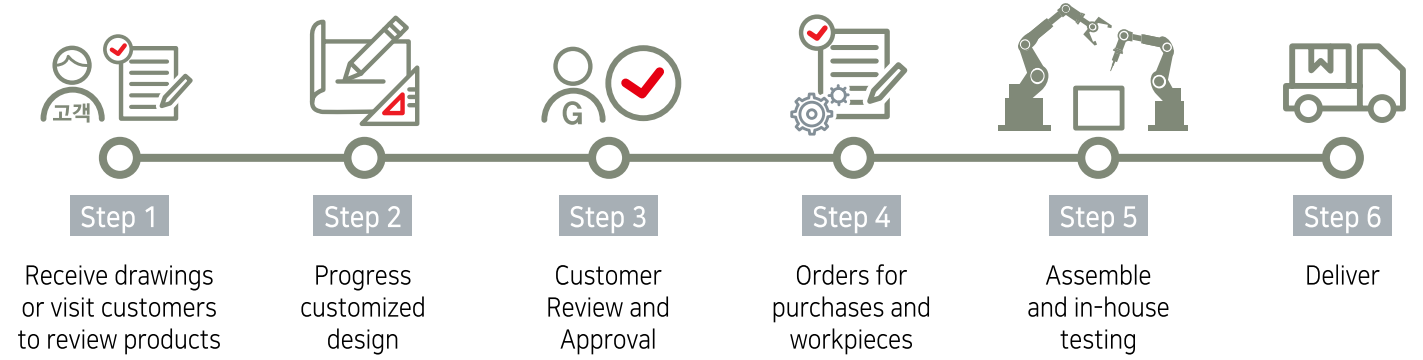


NAU Grip System Features

The NAU grip system provides customized plastic ejection jig (E.O.A.T) for customers with innovative technology and rich on-site know-how by quickly identifying trends in injection molds that are diverse and complex.

The grip system is any tool (part) used by a robot equipped on an injection molding machine to take out the product.

Customized 3D Design Progress Procedure



Grip System Application Case



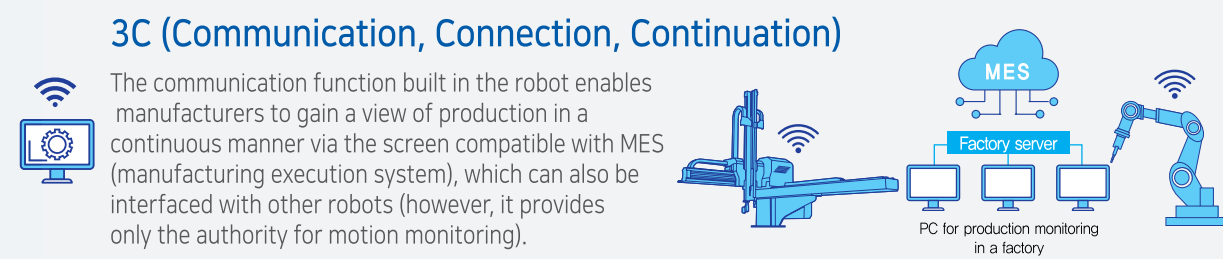
Address: (Gojan-dong 673-8) 42, Aenggogae-ro 449beon-gil, Namdong-gu, Incheon, Republic of Korea
 TEL: +82-32-719-7040
 FAX: +82-32-719-4948 (Sales & Marketing Team)
 +82-32-719-7041 (Purchasing Team)
 www.naurobot.com www.youtube.com/c/NAUROBOTICS



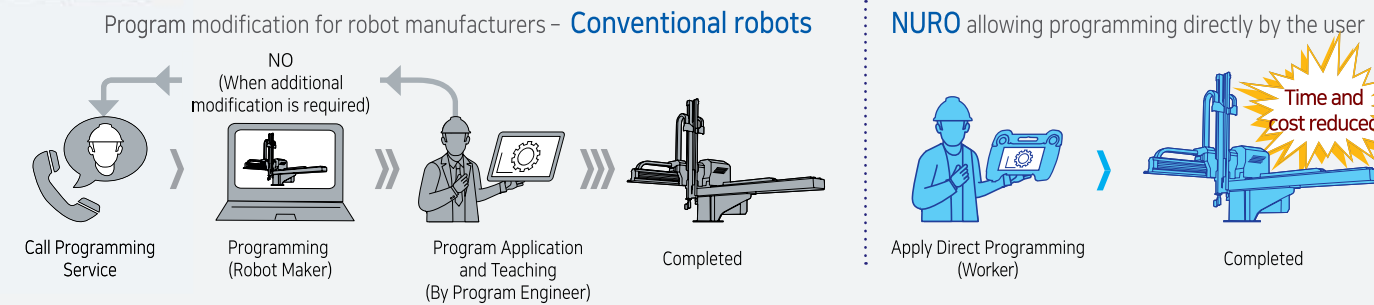
NURO, a NC-type Cartesian handling robot with all-axes servo motors



- High speed** Realization of high speed through lightweight and optimized design
- J-motion** Offers faster takeout cycle time in injection molding applications by employing J-motion to cope with constrained Cartesian movement of conventional robots
- Smart** Offers an operator screen that is simple and easy to use. Easy operation by the 6-axis articulated robot-based controller
- Optimized** The Cartesian robot ideal for injection molding process
- Compatible** Incorporates Ethernet-based server control technology with the robot operating system compatible with other servers
- Slim** Incorporates simple and slim design for minimizing disturbance of space robot in smaller working envelope
- Stable** Incorporates technology to suppress vibration for minimizing tremor during the operation, thus accomplishing stable takeout even in high-precision tasks



Flexible— and easy—to-use Direct Programming suitable for various plastic injection molding applications (e.g. insert takeout, gate gutting, link with secondary automation, etc.)



NURO Cartesian Robots Teaching Pendant

- 1 Provides intuitive icon-type UI
- 2 Provides a position applying mode of the rob
- 3 Reflecting the various needs of the injection molding site
- 4 Direct programming that is instantly applicable to the user



NURO Cartesian Robots Teaching Pendant Features

Intuitive USER INTERFACE

Designed with a user-centric intuitive UI that allows you to operate like an orthogonal type take-out robot, it is easy to operate even if you are not a robot expert

Optimized software for injection molding processes

Optimized programming through analysis of injection molding processes such as product take-out, inserts, gate cutting, and palletizing makes it easy to build a robot system

Easy operation

Equipped with a touchscreen system, a 10.1-inch screen with excellent brightness makes it quick and easy to check input values

Maximized efficiency by reflecting the needs of different work environments

Maximized efficiency with NEO 6X that addresses the requirements of various working environments in injection molding processes, such as multi-variety small-volume production and complex mold structures

- 1 Front and rear formation axis**
Apply aluminum profile or steel frame according to robot size
- 2 Up and down major axis**
Aluminum profile or Steel frame application according to robot size
- 3 Rotary axis(c)**
European Technology mounted Rotary Unit Prevent rotation when pressure is reduced by applying lock bolts
- 4 Driving shaft**
High strength, Low noise LM Drive type Low maintenance frequency for approximately one-year lubrication cycle

- 5 Equipped with Servo drive**
Powerful servo drive control technology applied to all drive shafts Vibration suppression control and high-speed con
- 6 Integrated control box**
Small control box attached to the robot, no need for a separate external control box
 - Space Saving
 - A short motor and an encoder table by disconnecting servo drive
 - Apply self-developed mode to ensure operational reliability
 - Equipped with IO module for external peripheral control

Lineup of NURO Cartesian Robots (Clamping force: ton)

Application	Small Size					Middle Size					Large Size				
	30 ~ 100	100 ~ 180	180 ~ 250	250 ~ 300	300 ~ 350	350 ~ 450	450 ~ 600	600 ~ 750	750 ~ 900	900 ~ 1000	1000 ~ 1200	1200 ~ 1500	1500 ~ 2000	2000 ~ 3000	3000 ~ 4500
	NURO05-0811S														
	NURO05-0811D														
						NURO10-1315S									
						NURO10-1315D									
											NURO15-1618S				
											NURO15-1618D				
						NURO10-1315SII									
						NURO10-1315DII									
											NURO15-1618SII				
											NURO15-1618DII				
NURO25-1620SII															