

Beyond Imagination

# Industrial Articulated Robot

Introducing the next generation of industrial robots



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# HYROBOTICS

## The Core of Articulated Robots

HY Robotics' industrial articulated robots are designed for easy setup and operation, with incorporated features of various core technologies. They can also contribute to your company's ESG management.

### SUPER SMART

Various smart feature options are available



#### Weight Detection

Automatic sorting of defective items by detecting weight variations in each cycle



#### Mold / Product Temperature Detection

Alert function for notifying condition changes through temperature detection every cycle



#### Removal of Static Electricity

Reduction of defects caused by dust using Electrostatic discharge equipment



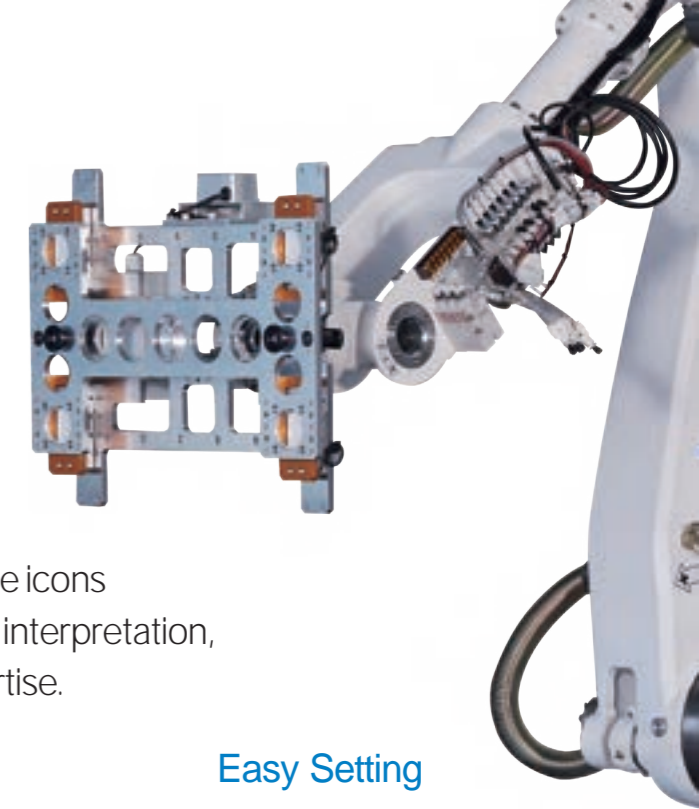
#### Human Detection

Safety features through the combination of LiDAR sensors and AI



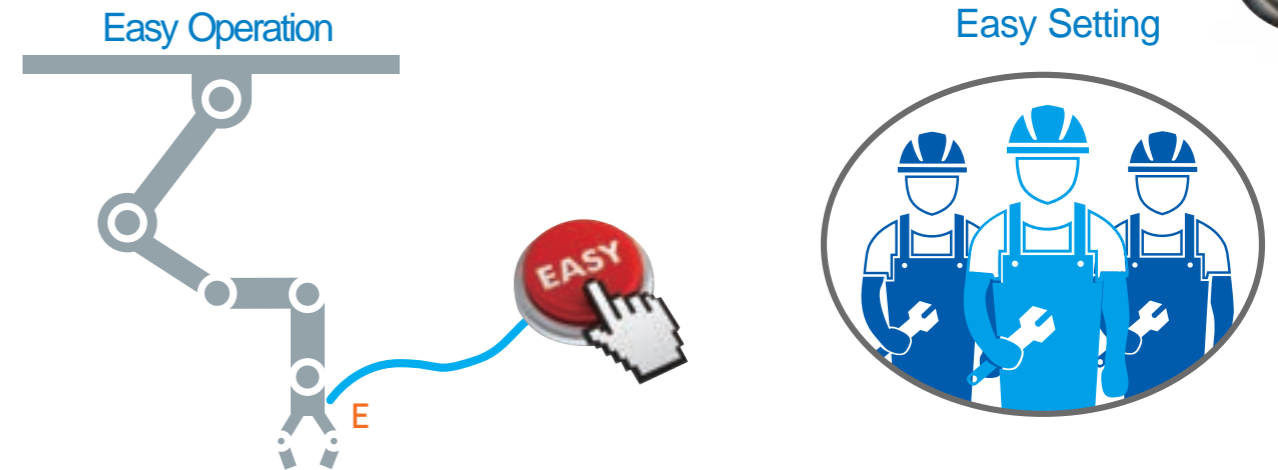
#### Fire Detection

Alert function for notifying fire using thermal imaging cameras



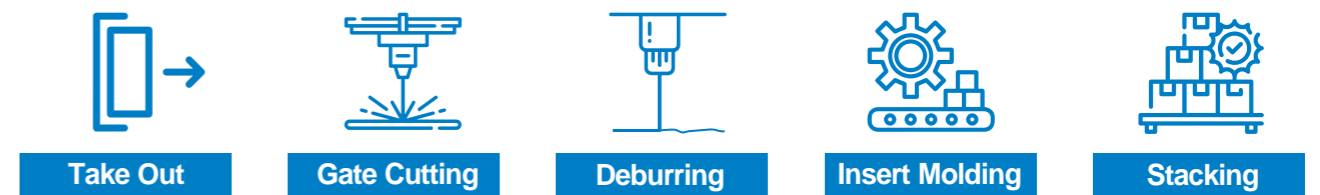
### SUPER EASY

The GUI (Graphic User Interface) employs intuitive icons for easy operation and straightforward language interpretation, making it accessible to users of all levels of expertise.



### SUPER FLEXIBLE

By high-precision execution, a variety of processes can be efficiently automated.



Our Articulated Robot	Existing Multi-joint Robots	3-Axis Cartesian Robots
<b>EASY</b>	<b>Hard</b>	<b>Impossible</b>
Simple & Easy setup for operators	Experts needed for program setup due to specialized program language	Teaching precise shaping of curved surfaces is not achievable



## HYROBOTICS

The H Series Articulated robot is dedicated to the injection molding industry, allowing even beginners to easily and simply perform extraction and automation tasks

# H

Injection molding industry-specific

# SERIES



10.1" Large touch screen

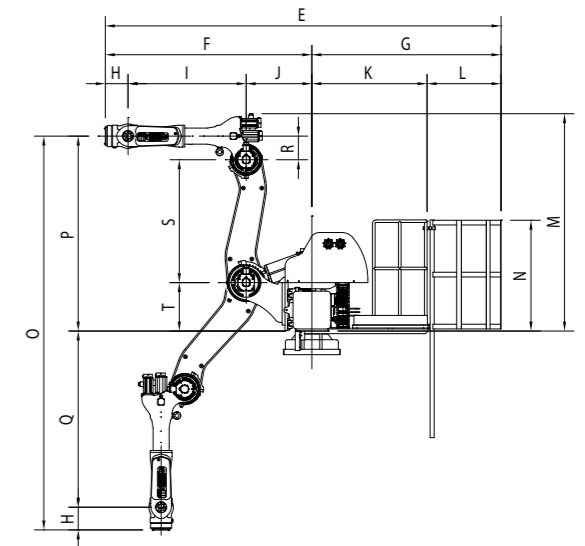
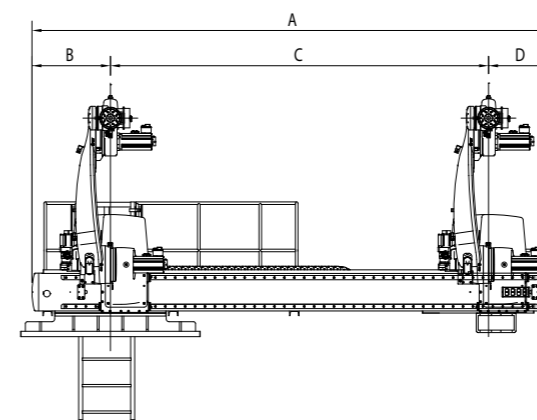
### Technical Specification

Power	Motion Control	Control Method	Normal Pneumatic Pressure	Max. Pneumatic Pressure
3Phase AC380V(50/60Hz)	Servo Motor	Micro Computer	6 kgf/cm <sup>2</sup>	8 kgf/cm <sup>2</sup>

Model	Traverse Stroke (mm/inch)			Reach (mm/inch)	Max. Electric Consumption	Air Consumption [L/cycle]	Max. Payload (kg/lb)	Weight (kg/lb)	I.M.M (Ton)
	Standard	L TYPE	LL TYPE						
H5-1850	2500/98.4	3000/118.1	3500/137.7	1750/68.8	9.75 kw	30	50 / 110	1212 / 2672	600~1000
H5-2250	3000/118.1	3500/137.7	4000/157.4	2180/85.8	10.75 kw	35	50 / 110	1550 / 3417	1000~2000
H5-2650	4000/157.4	4500/177.1	5000/196.8	2600/102.3	10.75 kw	47	50 / 110	1908 / 4206	2000~3000
H5-2280	3000/118.1	3500/137.7	4000/157.4	2150/84.6	15.5 kw	63	80 / 176.3	1828 / 4030	1000~2000
H5-2680	4000/157.4	4500/177.1	5000/196.8	2570/101.1	15.5 kw	84	80 / 176.3	2151 / 4742	2000~3000
H5-3080	4500/177.1	5000/196.8	5500/216.5	2970/116.9	15.5 kw	105	80 / 176.3	2254 / 4969	2500~3500
H5-26150	4000/157.4	4500/177.1	5000/196.8	2550/100.3	23 kw	84	150 / 330.6	2936 / 6472	2000~3000

### Dimension

Unit : mm



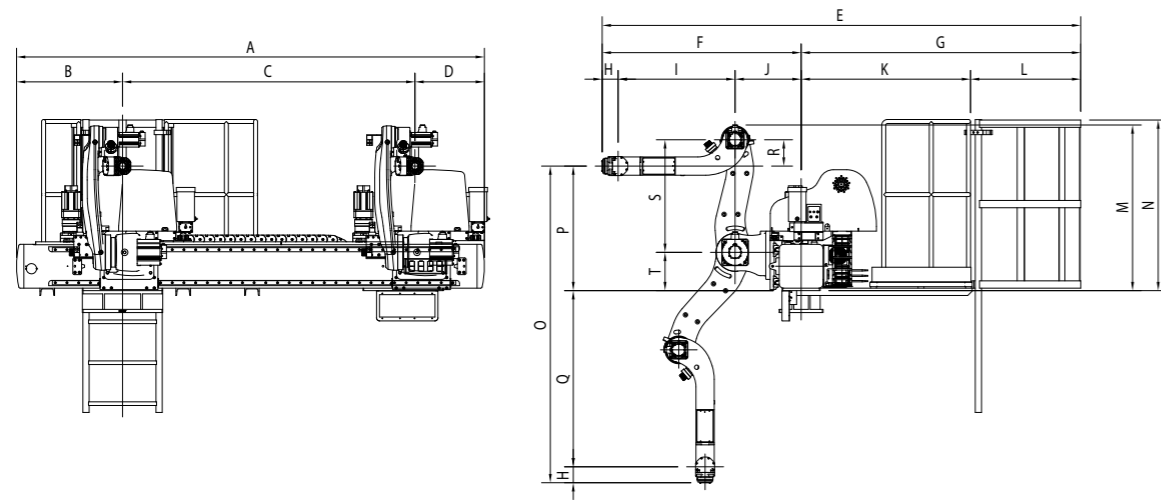
Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
H5-1850	3700	658	2500	542	3584	1668	1916	180	950	538	1159	779	1550	1167	2823	1397	1246	200	800	397
H5-2250	4340	730	3000	610	3815	1793	2022	180	1050	563	1244	779	1930	1167	3539	1777	1582	200	1130	447
H5-2650	5390	730	4000	660	4040	2018	2022	180	1250	588	1244	779	2200	1167	4149	2047	1922	200	1350	497
H5-2280	4410	730	3000	680	3859	1833	2026	215	1050	568	1244	779	2013	1167	3548	1787	1546	230	1100	457
H5-2680	5450	830	4000	620	4055	2058	1997	215	1250	593	1219	779	2283	1167	4158	2057	1886	230	1320	507
H5-3080	5950	830	4500	620	4305	2283	2022	215	1450	618	1244	779	2505	1167	4731	2307	2209	230	1502	557
H5-26150	5540	830	4000	710	4182	2185	1997	240	1250	695	1219	779	2299	1172	4166	2062	1864	250	1300	512



# Standard Traverse Type H5-Series

## Dimension

Unit : mm



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
H5-1010	2580	700	1500	380	1322	884	438	100	500	284	-	-	715	-	1380	537	743	110	450	197
H5-1310	2780	700	1700	380	3016	1079	1937	100	670	309	1184	754	935	1167	1797	737	960	130	620	247
H5-1610	3150	695	2000	455	3226	1314	1912	100	800	414	1159	754	1119	1167	2157	856	1201	180	770	266
H5-1320	2780	700	1700	380	3094	1157	1937	109	670	378	1184	754	945	1167	1856	732	1015	130	620	242
H5-1620	3200	725	2000	475	3273	1361	1912	109	800	452	1159	754	1133	1167	2166	852	1205	180	770	262
H5-1820	3750	715	2500	535	3423	1511	1912	109	950	452	1159	754	1183	1167	2409	902	1398	180	820	262
H5-1635	3250	760	2000	490	3280	1368	1912	116	800	452	1159	754	1133	1167	2173	852	1205	180	770	262
H5-1835	3800	760	2500	540	3430	1518	1912	116	950	452	1159	754	1198	1167	2416	902	1398	180	820	262
H5-2235	4390	810	3000	580	3690	1668	2022	116	1050	502	1244	779	1590	1167	3112	1272	1724	200	1150	322

## Technical Specification

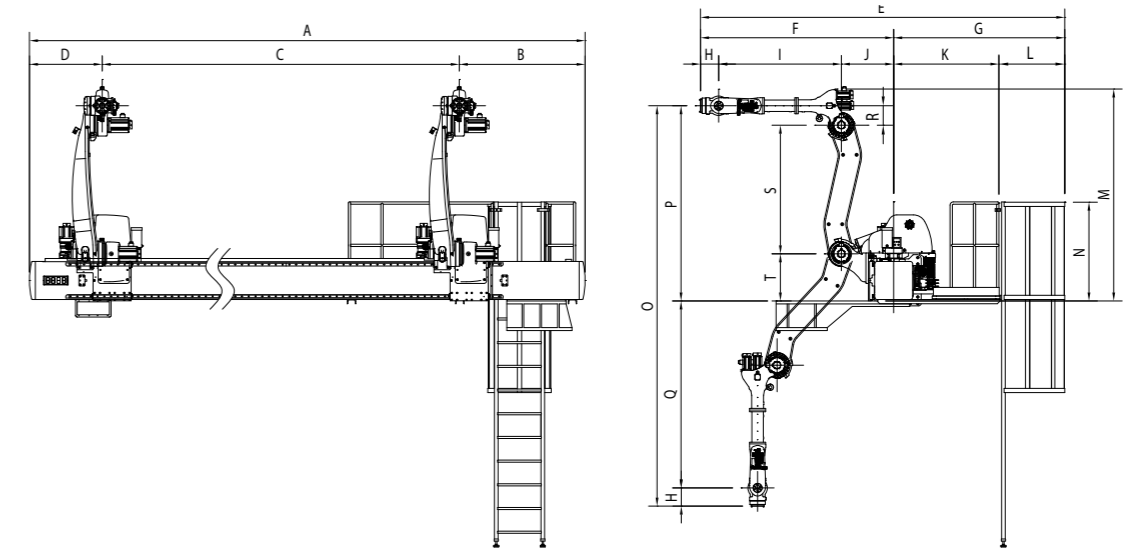
Power	Motion Control	Control Method	Normal Pneumatic Pressure	Max. Pneumatic Pressure
3Phase AC380V(50/60Hz)	Servo Motor	Micro Computer	6 kgf/cm <sup>2</sup>	8 kgf/cm <sup>2</sup>

Model	Traverse Stroke (mm/inch)			Reach (mm/inch)	Max. Electric Consumption	Air Consumption [l/cycle]	Max. Payload (kg/lb)	Weight (kg/lb)	I.M.M (Ton)
	Standard	L TYPE	LL TYPE						
H5-1010	1500/59	1700/66.9	-	1000/39.3	4.15 kw	12	10 / 22	384 / 846	170~300
H5-1310	1700/66.9	2000/78.7	-	1290/50.7	4.15 kw	18	10 / 22	486 / 1071	300~500
H5-1610	2000/78.7	2500/98.4	-	1570/61.8	5.4 kw	18	10 / 22	767 / 1690	400~700
H5-1320	1700/66.9	2000/78.7	-	1340/52.7	6.3 kw	18	20 / 44	561 / 1236	300~500
H5-1620	2000/78.7	2500/98.4	3000/118.1	1570/61.8	6.3 kw	24	20 / 44	822 / 1812	400~700
H5-1820	2500/98.4	3000/118.1	3500/137.7	1770/69.6	7.8 kw	30	20 / 44	924 / 2037	600~1000
H5-1635	2000/78.7	2500/98.4	3000/118.1	1570/61.8	9.0 kw	24	35 / 77	888 / 1957	400~700
H5-1835	2500/98.4	3000/118.1	3500/137.7	1770/69.6	10.0 kw	24	35 / 77	1000 / 2204	600~1000
H5-2235	3000/118.1	3500/137.7	4000/157.4	2220/87.4	11.0 kw	24	35 / 77	1178 / 2957	1000~2000

# Parellel Traverse Type H5(H6)-Series

## Dimension

Unit : mm



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
H5(H6)-1635P	(10200)	1403	(8200)	640	3280	1368	1912	116	800	452	1159	754	1133	1167	2173	852	1205	180	770	262
H5(H6)-1835P	(10400)	1453	(8300)	660	3430	1518	1912	116	950	452	1159	754	1198	1167	2416	902	1398	180	820	262
H5(H6)-2235P	(10600)	1503	(8400)	730	3690	1668	2022	116	1050	502	1244	779	1590	1167	3112	1272	1724	200	1150	322
H5-1850P	(10500)	1403	(8500)	658	3584	1668	1916	180	950	538	1159	758	1550	1167	2823	1397	1246	200	800	397
H5(H6)-2250P	(10800)	1453	(8600)	730	3819	1793	2026	180	1050	563	1244	783	1930	1167	3539	1777	1582	200	1130	447
H5(H6)-2650P	(11000)	1503	(8700)	797	4044	2018	2026	180	1250	588	1244	783	2200	1167	4149	2047	1922	200	1350	497
H5-2280P	(11100)	1503	(8800)	730	3859	1833	2026	215	1050	568	1244	783	2013	1167	3548	1787	1546	230	1100	457
H5(H6)-2680P	(11300)	1503	(8900)	830	4059	2058	2001	215	1250	593	1219	783	2283	1167	4158	2057	1886	230	1320	507
H5(H6)-3080P	(11820)	1487	(9500)	833	4309	2283	2026	215	1450	618	1244	783	2505	1167	4731	2307	2209	230	1502	557

## Technical Specification

Power	Motion Control	Control Method	Normal Pneumatic Pressure	Max. Pneumatic Pressure
3Phase AC380V(50/60Hz)	Servo Motor	Micro Computer	6 kgf/cm <sup>2</sup>	8 kgf/cm <sup>2</sup>

Model	Traverse Stroke (mm/inch)	Reach (mm/inch)	Max. Electric Consumption	Air Consumption [l/cycle]	Max. Payload (kg/lb)	I.M.M (Ton)
H5(H6)-1835P	8300/326.7	1770/69.6	10.5 kw (H6:11.25kw)	30	35 / 77	600~1000
H5(H6)-2235P	8400/330.7	2200/87.4	11.5 kw (H6:12.25kw)	35	35 / 77	1000~2000
H5-1850P	8500/334.6	1750/68.8	10.75 kw	30	50 / 110	600~1000
H5(H6)-2250P	8600/338.6	2180/85.8	11.75 kw (H6:13.5kw)	35	50 / 110	1000~2000
H5(H6)-2650P	8700/342.5	2600/102.3	11.75 kw (H6:13.5kw)	47	50 / 110	2000~3000
H5-2280P	8800/346.4	2150/84.6	16.5 kw	63	80 / 176	1000~2000
H5(H6)-2680P	8900/350.3	2570/101.1	16.5 kw (H6:20.0kw)	84	80 / 176	2000~3000
H5(H6)-3080P	9500/374	2970/116.9	16.5 kw (H6:20.0kw)	105	80 / 176	2500~3500

## HYROBOTICS

A Series articulated robots work together across a wide range to perform various automation tasks, enabled by their advanced robot networking function.



▲10.1 in Large Touch Screen

# A

Specialized for Handling / Automation

# SERIES

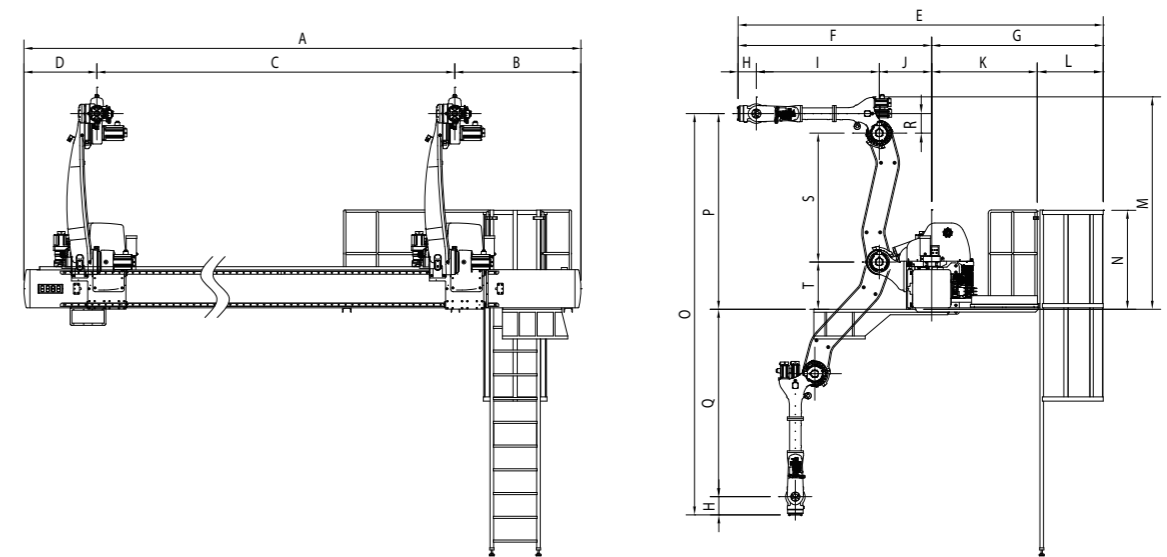
### Technical Specification

Power	Motion Control	Control Method	Normal Pneumatic Pressure	Max. Pneumatic Pressure
3Phase AC380V (50/60Hz)	Servo Motor	Micro Computer	6 kgf/cm <sup>2</sup>	8 kgf/cm <sup>2</sup>

Model	Stroke (mm/inch)	Reach (mm/inch)	Max. Electric Consumption	Air Consumption [l (normal)/cycle]	Max. Payload (kg/lb)
A5(A6)-1635	8200 / 322.8	1570 / 61.8	9.5 kw (H6:10.25kw)	24	35 / 77.1
A5(A6)-1835	8300 / 326.7	1770 / 69.6	10.5 kw (H6:11.25kw)	30	35 / 77.1
A5(A6)-2235	8400 / 330.7	2200 / 86.6	11.5 kw (H6:12.25kw)	35	35 / 77.1
A5-1850	8500 / 334.6	1750 / 68.8	10.75 kw	30	50 / 110.2
A5(A6)-2250	8600 / 338.5	2180 / 85.8	11.75 kw (H6:13.5kw)	35	50 / 110.2
A5(A6)-2650	8700 / 342.5	2600 / 102.3	11.75 kw (H6:13.5kw)	47	50 / 110.2
A5-2280	8800 / 346.4	2150 / 84.6	16.5 kw	63	80 / 176.3
A5(A6)-2680	8900 / 350.3	2570 / 101.1	16.5 kw (H6:20.0kw)	84	80 / 176.3
A5(A6)-3080	9500 / 374	2970 / 116.9	16.5 kw (H6:20.0kw)	105	80 / 176.3

### Dimension

Unit : mm



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
A5(A6)-1635	(10200)	1403	(8200)	640	3280	1368	1912	116	800	452	1159	754	1133	1167	2173	852	1205	180	770	262
A5(A6)-1835	(10400)	1453	(8300)	660	3430	1518	1912	116	950	452	1159	754	1198	1167	2416	902	1398	180	820	262
A5(A6)-2235	(10600)	1503	(8400)	730	3690	1668	2022	116	1050	502	1244	779	1590	1167	3112	1272	1724	200	1150	322
A5-1850	(10500)	1403	(8500)	658	3584	1668	1916	180	950	538	1159	758	1550	1167	2823	1397	1246	200	800	397
A5(A6)-2250	(10800)	1453	(8600)	730	3819	1793	2026	180	1050	563	1244	783	1930	1167	3539	1777	1582	200	1130	447
A5(A6)-2650	(11000)	1503	(8700)	797	4044	2018	2026	180	1250	588	1244	783	2200	1167	4149	2047	1922	200	1350	497
A5-2280	(11100)	1503	(8800)	730	3859	1833	2026	215	1050	568	1244	783	2013	1167	3548	1787	1546	230	1100	457
A5(A6)-2680	(11300)	1503	(8900)	830	4059	2058	2001	215	1250	593	1219	783	2283	1167	4158	2057	1886	230	1320	507
A5(A6)-3080	(11820)	1487	(9500)	833	4309	2283	2026	215	1450	618	1244	783	2505	1167	4731	2307	2209	230	1502	557



# Global Network

HYRobotics, a trusted leader in the industrial automation field, delivers its solutions not only in the United States but also around the world.



USA H.Q  
(St. Louis, MO)



KOREA Manufacturing Factory



## USA H.Q

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