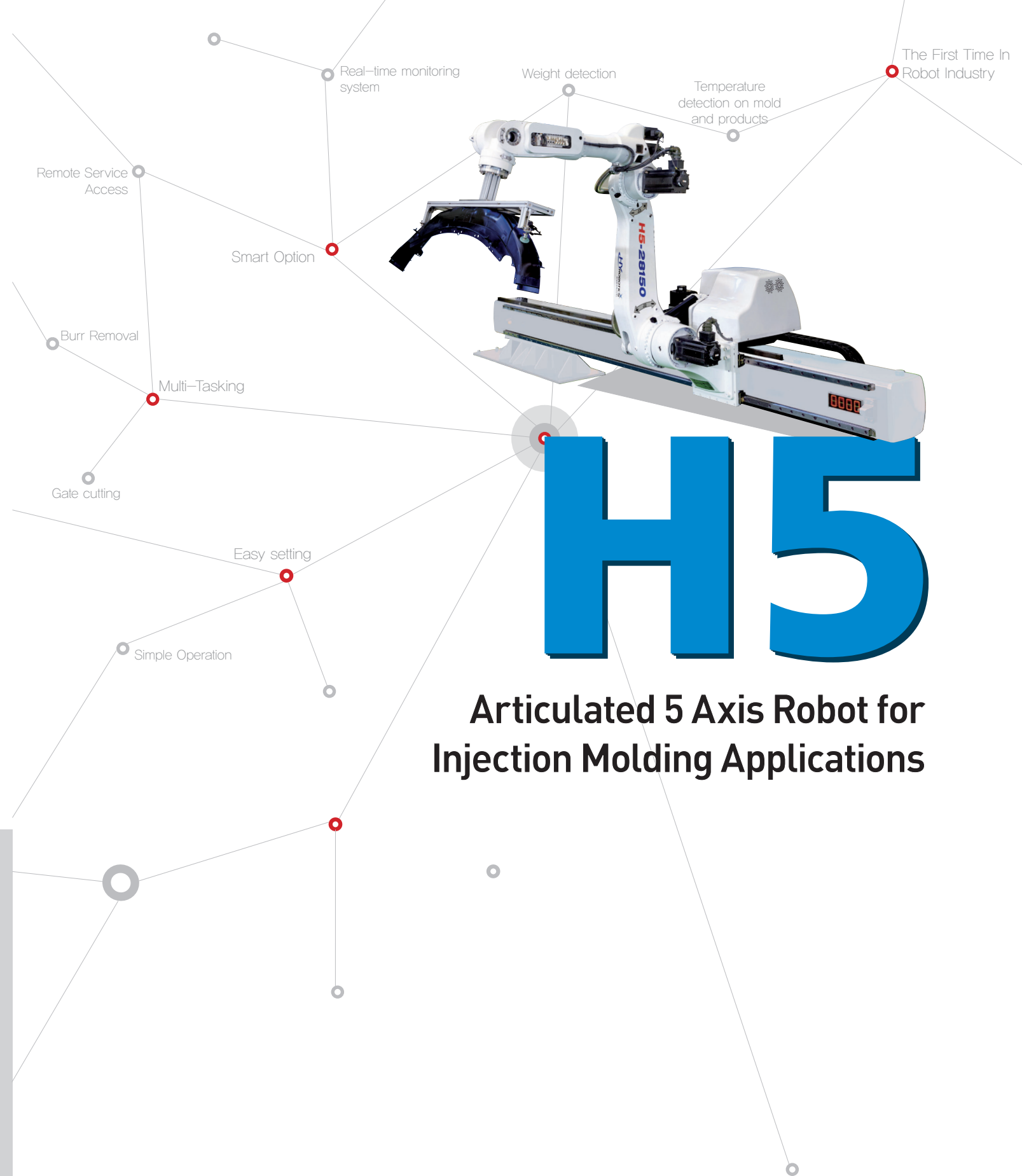




H Q : Hyrobotics Co., Ltd
 41 Street, 9, Bodojin-Ro, Seo-Gu, Incheon, Korea.
 T +82.32.582.5040 / +82.32.528.5046,
 F +82.32.524.7040, CS T +82.505.300.5040

USA : Hyrobotics Corp
 5319 Brown Ave
 St.Louis Mo, 63120
 Web Site www.hyrobotics.com



H5

Articulated 5 Axis Robot for Injection Molding Applications



The First Time In Robot Industry!

Articulated 5 Axis Robot For Plastics Injection Molding Take Out Applications **H5**

Patent

✓ PERFECT FOR HEIGHT LIMITED APPLICATIONS

- By replacing the linear vertical axis with articulated axis the overall height of the robot is reduced.

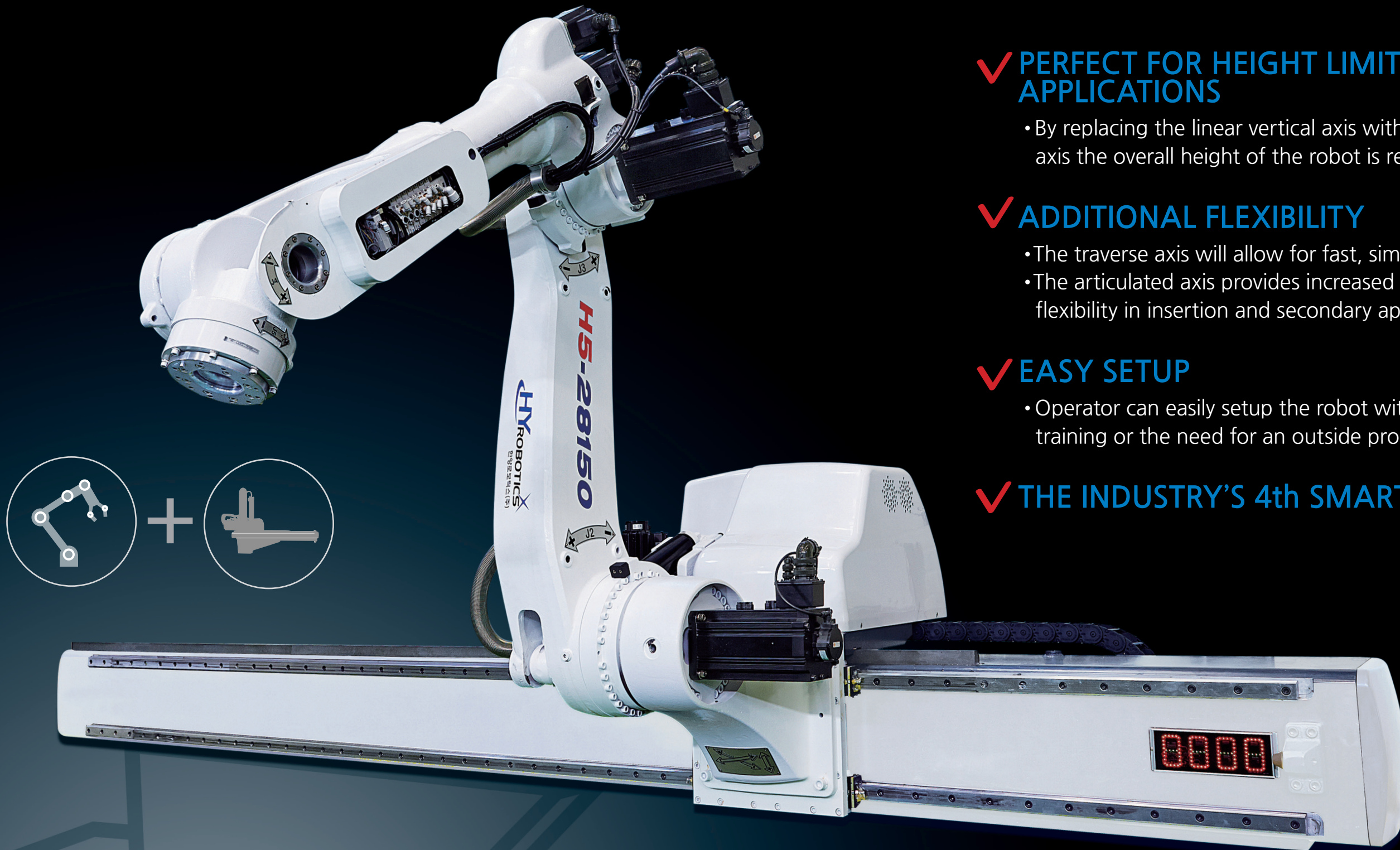
✓ ADDITIONAL FLEXIBILITY

- The traverse axis will allow for fast, simple parts removal.
- The articulated axis provides increased precision and flexibility in insertion and secondary applications.

✓ EASY SETUP

- Operator can easily setup the robot without extensive training or the need for an outside programmer.

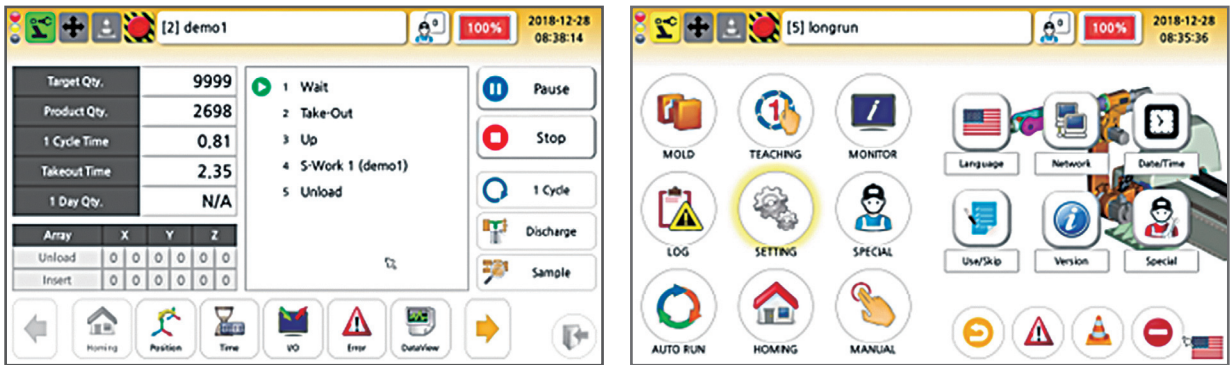
✓ THE INDUSTRY'S 4th SMARTEST OPTION



Easy Setup and Operation

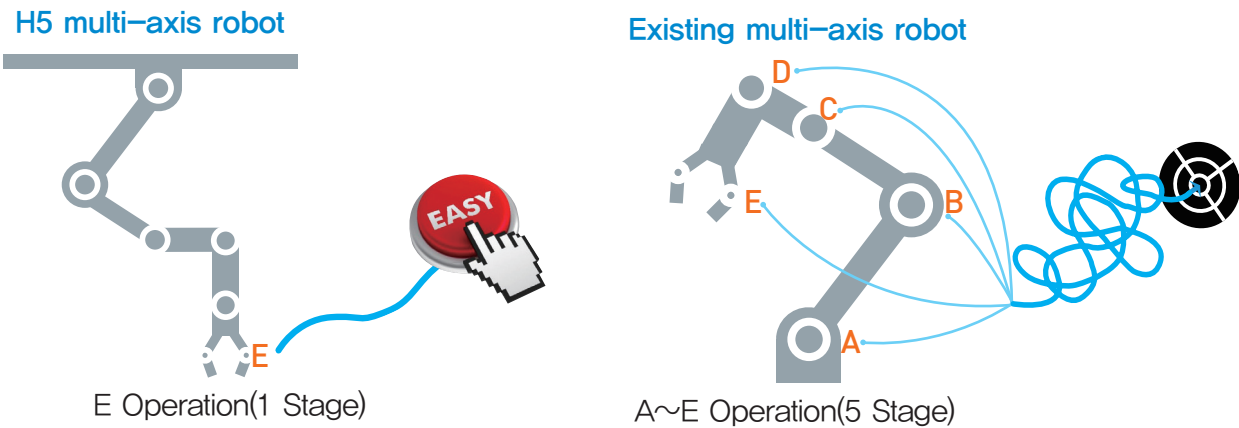
Icon Based Touch Screen Controller

The easy to operate H5 multi-axis robot using HYRobotic's icon based controller makes programming simple and can be operated with minimal training.



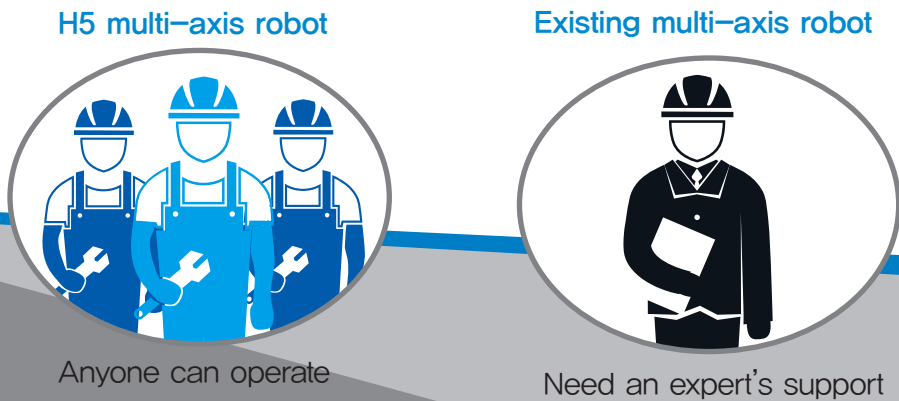
Simple Operation

Existing multi-axis robots require extensive knowledge and training. Individual movements may require adjustments to individual joints to make the required movement. The H5 multi-axis robot requires simple one stage of operation.



Easy Programming

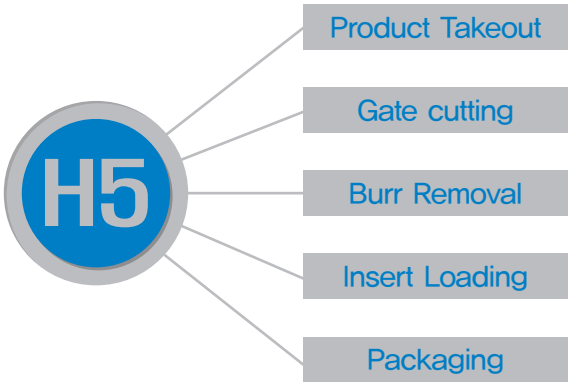
Easy to operate like a cartesian type robot for injection molding take out applications.



Technical Information

Multi Tasking & Diversity Of Operation

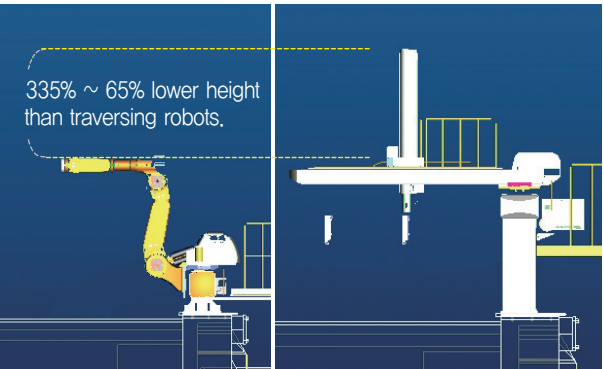
Enable diversity process for full automation with high-precision operation



H5	Existing multi-axis robot	Traverse type
Operator can easily program complicated motions	Extensive knowledge and training required to program complex motions	Easy to program pick and place applications. Precisions curvatures can be difficult.

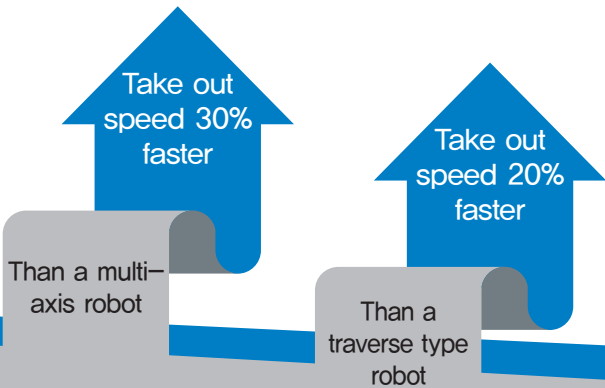
Advantages Over a Traversing Robot

Can perform many functions previously done by dedicated automation equipment with simpler solutions.
Gate cutting, flaming, inspection, packaging, etc.
Shorter overall height allows robots to be used that in the past were limited by ceiling height.

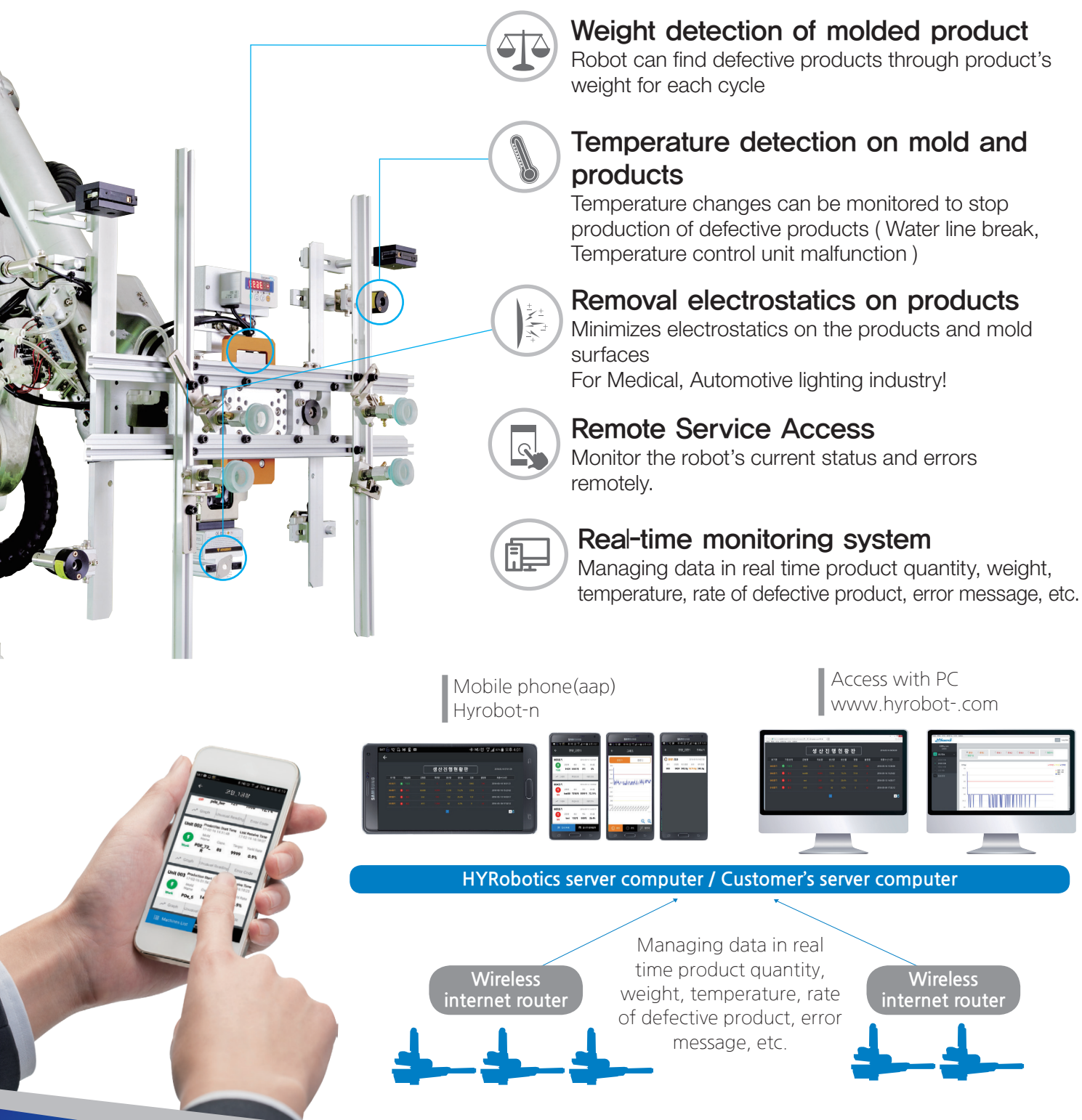


Advantages Over a Multi-axis Robot

Designed Specifically for Injection Molding Machines
Requires Less Floor Space and Guarding
Standard Interface module built in with Euromap 12 (32 pin) , Euromap 67 (50 pin)

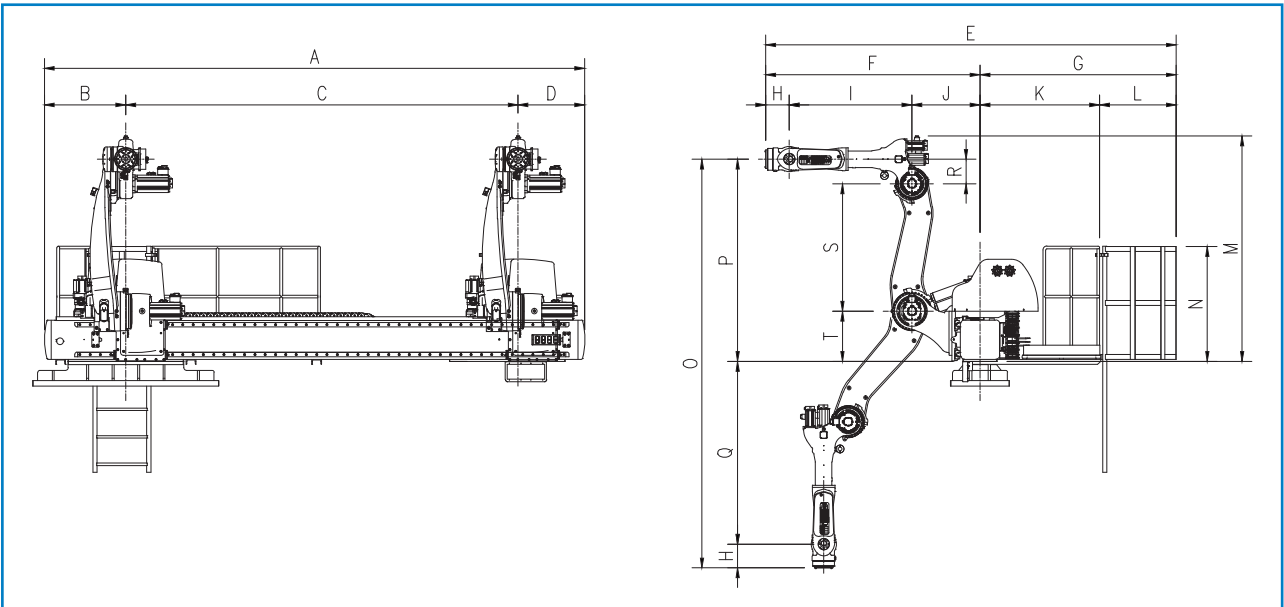


The Industry 4.0 Smart Option



Technical Data

Dimension



Model	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
H5-1850	3,700	658	2,500	542	3,584	1,668	1,916	180	950	538	1,159	758	1,550	1,167	2,823	1,397	1,246	200	800	397
H5-2250	4,340	810	3,000	530	3,819	1,793	2,026	180	1,050	563	1,244	783	1,930	1,167	3,539	1,777	1,582	200	1,130	447
H5-2650	5,390	810	4,000	580	4,044	2,018	2,026	180	1,250	588	1,244	783	2,200	1,167	4,149	2,047	1,922	200	1,350	497
H5-2280	4,410	730	3,000	680	3,859	1,833	2,026	215	1,050	568	1,244	783	2,013	1,167	3,548	1,787	1,546	230	1,100	457
H5-2680	5,450	830	4,000	620	4,059	2,058	2,001	215	1,250	593	1,219	783	2,283	1,167	4,158	2,057	1,886	230	1,320	507
H5-3080	5,960	830	4,500	620	4,309	2,283	2,026	215	1,450	618	1,244	783	2,505	1,167	4,731	2,307	2,209	230	1,502	557
H5-26150	5,510	830	4,000	680	4,186	2,185	2,001	240	1,250	695	1,219	783	2,299	1,172	4,166	2,062	1,864	250	1,300	512

Technical Specification

Power	Motion Control	Control Method	Normal Pneumatic Pressure	Max. Pneumatic Pressure
3Phase AC220V(50/60Hz)	Servo Motor	Micro Computer	6 kgf/cm²	8 kgf/cm²

Model	Traverse Stroke (mm)			Reach (mm)	Max. Electric Consumption	Max. Handling Capacity (Chuck included)	I,M,M (Ton)
	Standard	L TYPE	LL TYPE				
H5-1850	2,500	3,000	3,500	1,750	9.25 kw	50 kgf	600~1,300
H5-2250	3,000	3,500	4,000	2,180	9.25 kw	50 kgf	1,000~2,000
H5-2650	4,000	4,500	5,000	2,600	10.25 kw	50 kgf	2,000~3,000
H5-2280	3,000	3,500	4,000	2,150	15.5 kw	80 kgf	1,000~2,000
H5-2680	4,000	4,500	5,000	2,570	15.5 kw	80 kgf	2,000~3,000
H5-3080	4,500	5,000	5,500	2,970	15.5 kw	80 kgf	2,500~3,500
H5-26150	4,000	4,500	5,000	2,550	23 kw	150 kgf	2,000~3,000