

AUTOMATION SOLUTION

ARM ROBOT (Six Axis)

Developed for complex applications.
Suitable for Rubber molding machine, molding, loading, assembling, painting, welding, stamping, etc.
The protection grade reaches IP65. The repeatability is $\pm 0.06\text{mm}$.



TRTA10



TRTA20



TRTA50

The maximum load	10 KG	20 KG	50 KG
The maximum arm length	1500 mm.	1850 mm.	3000 mm.

Application of robot



Robotic Lathe Machine Loading



Robot In Mold for take-out product.



Painting



Robotic With Vacuum Gripper

Main Specification

Model	Item	J1	J2	J3	J4	J5	J6
TRTA10	Range	$\pm 170^\circ$	$-90^\circ/+155^\circ$	$-85^\circ/+130^\circ$	$\pm 180^\circ$	$\pm 120^\circ$	$\pm 360^\circ$
	Max.Speed	125°/S	125°/S	250°/S	375°/S	300°/S	450°/S
TRTA20	Range	$\pm 165^\circ$	$-60^\circ/+135^\circ$	$-135^\circ/+65^\circ$	$\pm 180^\circ$	$\pm 100^\circ$	$\pm 360^\circ$
	Max.Speed	81°/S	100°/S	100°/S	311°/S	240°/S	480°/S
TRTA50	Range	$\pm 165^\circ$	$-85^\circ/+65^\circ$	$-65^\circ/+180^\circ$	$\pm 180^\circ$	$\pm 125^\circ$	$\pm 360^\circ$
	Max.Speed	85°/S	70°/S	70°/S	218°/S	228°/S	198°/S



Robot Pick and Place Application



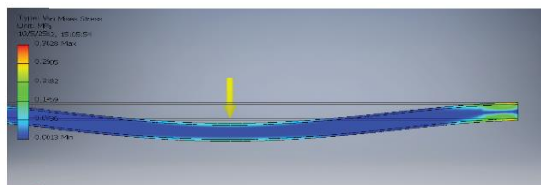
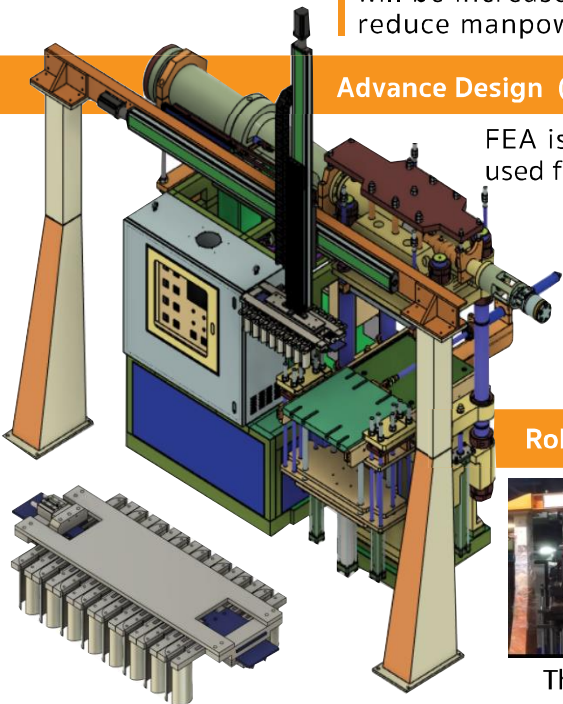
AUTOMATION SOLUTION

GANTRY ROBOT (Two Axis)

Gantry Robot (Two Axis) is applicable to all types of vertical injection machine ranges of 100T-500T for take-out product. Traverse axis driven by AC servo motor. The repeatability is $\pm 0.1\text{mm}$. After applied this accuracy robot, the productivity will be increased 10-30%, reduce defect rate, ensure safety of operators, reduce manpower and other

Advance Design (Finite element analysis)

FEA is the practical application of the finite element method (FEM) used for solving problems related to structural analysis



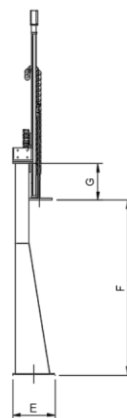
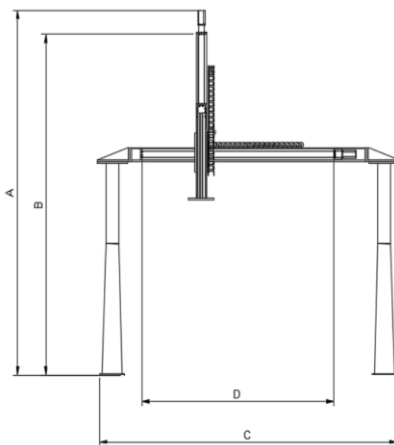
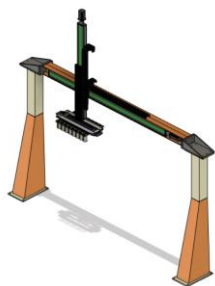
Robot Pick and Place Rubber Application



The productivity will be increased 10-30%, reduce defect rate, ensure safety of operators, reduce manpower and other

Main Specification

Model	(KVA) Power Source	TON	Traverse Stroke(mm.)	Vertical Stroke(mm.)	Max.Loading (kg)	Net Weight(kg)
TRTG20	10	100-200	2000	1000	50	500
TRTG25	10	300	2500	1500	50	800
TRTG30	10	500	3000	1500	50	900



Dimension

Model	A	B	C	D	E	F	G
TRTG20	2600	2400	2700	2000	350	1700	380
TRTG25	2800	2600	3500	2500	480	1900	380
TRTG30	3000	2800	4000	3000	480	2100	380



AUTOMATION SOLUTION

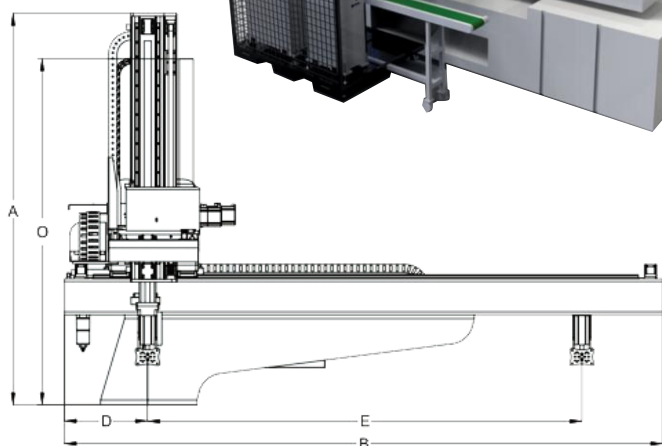
Robot (Three Axis/ Five Axis)

Robot (Three Axis/Five Axis) is applicable to all types of horizontal injection machine for take-out products and aprues. Vertical arm is telescopic stage. Full AC servo motor driven on each axis, Product take-out at super high-speed at most 1.2sec. Applicable to take-out product with short molding cycle or complex automatic. Also with the function of mold labeling and mold inserting.



Plastic Cutlery In mold Inserting Application

Robot (Three Axis/Five Axis) CANOPEN connecting way: Less connecting line, long distance communication, strong anti-interference ability, high repeat precision, can simultaneously control -multi axis, simple equipmnt maintenance, low failure rate.



Main Specification

Model	Power Source (KVA)	Traverse Stroke (mm.)	Crosswise Stroke (mm.)	Vertical Stroke (mm.)	Max. Loading (KG)	Net Weight (KG)
TRTT01	3.9	1400	P:450 R:400	800	5	300
TRTT02	3.9	1600	P:570 R:520	1000	5	360
TRTT03	3.9	1800	P:800 R:700	1200	8	530
TRTT04	5	2200	P:1000 R:800	1500	15	730
TRTT05	5	2500	P:1000 R:800	1800	20	910

Dimension

Model	A	B	D	E	O
TRTT01	1450	2220	385	1400	/
TRTT02	1500	2510	443	1600	/
TRTT03	1660	2480	350	1800	/
TRTT04	2000	2980	370	2200	1590
TRTT05	2100	3810	950	2500	1600

