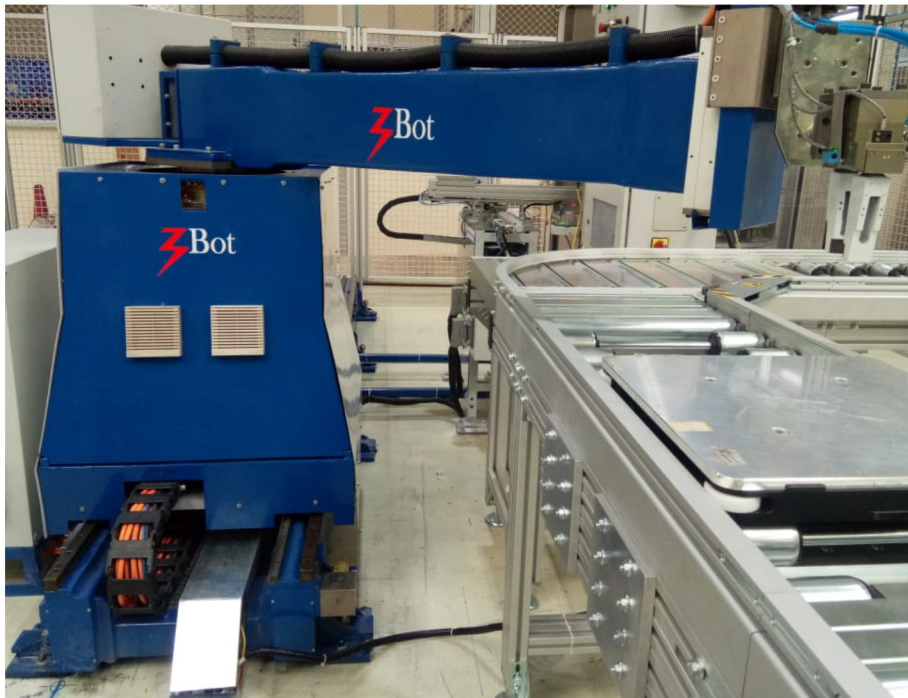


⚡ bot : Redefining Robotics for High Speed Pick & Place



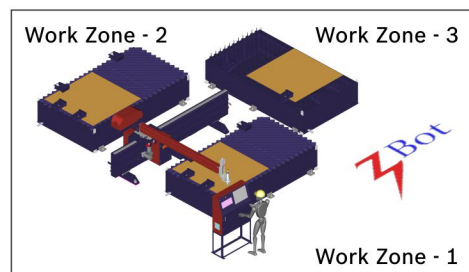
This ingenious innovation effectively rewrites 'efficiency-definition' and can be audaciously compared to 'reinventing the wheel' in the field of far heavier and more costly CNC /Robotic equipment.

Its unbeatable capabilities has a potential market in every corner of the world as it delivers far more cost efficiencies in multiple applications.

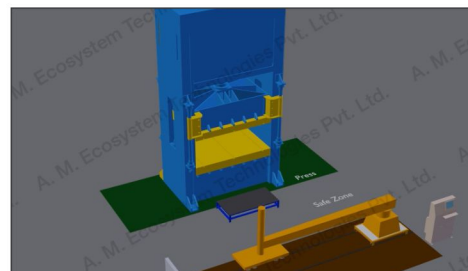
Some of the key features of Zbot system are as follows.

- **Precision:** ± 50 micron, which is not possible with conventional solution.
- **High Speed:** Rapid speed upto 400 mtr/min for high speed blanking press pick & place.
- **Reach:** Up to 3000 mm X 270 degree enabling multiple work zone.
- **Pay Load:** Up to 100 Kg.
- **“RoboSwift”:** Embedded intelligent Software.
- **Temperature/Dust:** Servo motors are away from high temperature / dust zone ensure high reliability and safety for Die-casting application.
- **IOT** compatible.
- Patented Worldwide.

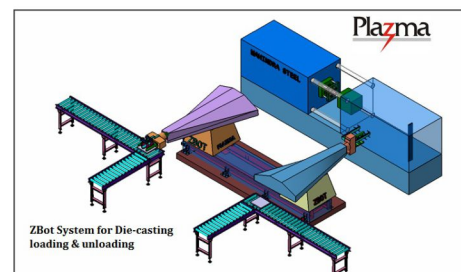
Applications



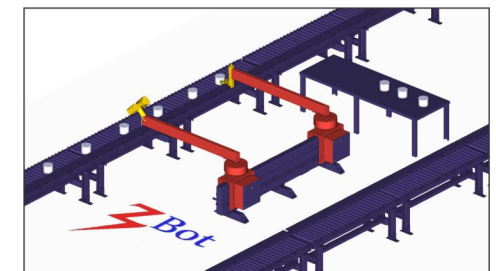
Multiple work Zone



Pick & Place

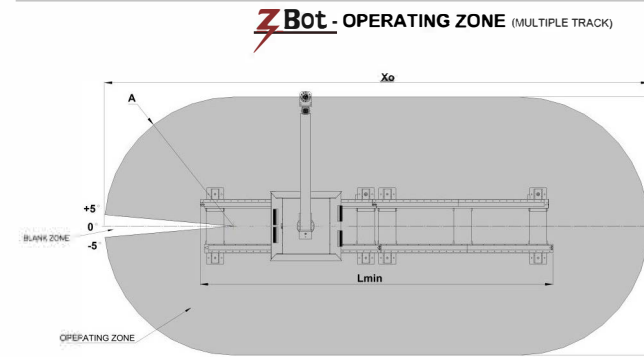
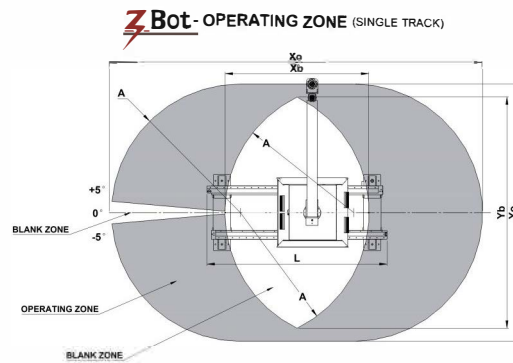


Die-casting – Load/unload



Material Handling

Zbot Pick & Place Specifications with Reach diagram



Zbot Pick & Place System						
Description	Specifications					
Type	Pick & Place (S)			Pick & Place (S ²)		
Zbot Model	ZbPP/20-1.5-200	ZbPP/20-2.5-200	ZbPP/20-3.0-200	ZbPP/100-1.5-400	ZbPP/100-2.5-400	ZbPP/100-3.0-400
Configuration	min 2- Axis - Floor mounted			min 2- Axis - Floor mounted		
Application Examples	Pick & Place, Load /Unload			Pick & Place, Load / Unload		
Zbot Arm Reach	1500 mm	2500 mm	3000 mm	1500 mm	2500 mm	3000 mm
Linear Track Length	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm	2000 mm
Work Zone/Envelope	Multiple/As per reach diagram			Multiple/As per reach diagram		
Pay Load Capacity	20/100Kg			20/100Kg		
Repeatability	± 50 micron					
Zbot Arm Motion Range	340 degree	340 degree	340 degree	340 degree	340 degree	340 degree
C - Axis Rapid Speed	200 mtr/min	200 mtr/min	200 mtr/min	400 mtr/min	400 mtr/min	400 mtr/min
Max TCP Speed	25mtr/min	25 mtr/min	25 mtr/mim	50 mtr/min	50 mtr/mim	50 mtr/mm
Z Axis Stroke	180mm					
Programming Software	RoboSwift Software Module					
Program Transfer	Ethernet / LAN / USB					
Optional - Linear Track	2.0 to 30.0 mtr	2.0 to 30.0 mtr	2.0 to 30.0 mtr	2.0 to 30.0 mtr	2.0 to 30.0 mtr	2.0 to 30.0 mtr
Additional Axis	As per application requirement					
Installation Environment	Ambient temp: 10 to 45 degree, Humidity : Normal 75RH or less, Electricals Supply: 3 Ph, 360 - 460VAC, 50/60 Hz, Industrial Shed					
Note:	All specifications are subject to change without prior notice					

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