

Chinaplas® 2006

国际橡塑展



HYRobotics introduces insert molding automation units at China Plastics Show.

1. Insert Automation with Air shooting Method.

HYRobotics introduce new concept insert supply system, HYRobotics developed unique concept to supply inserts to the robot. Traverse Servo Robot can take insert from this machine and supply to the mold for pre-insert molding. This process is for pre-insert molding application especially thin wall insert molding like Cell phone or Pdp case which keep goes to slim fashion. Pre insert molding have less chance to damage parts and increase productivity than post insert molding (with Ultrasonic machine). Also with less foot print as you can see in the picture.

This insert automation systems supply inserts from parts feeder to fixture which robot can grip insert from, through air tubing with designated direction. This will supply insert vertically without scara robot, Robot are will go down without chuck rotation. Cost effective and no Scara robot programming required for insert application. This unit operated with pneumatic and 220Volts with PLC sequence control and air cylinder.

Units are installed over 20 units in 2006 in South Korea and Japan for Cell Phone manufacturing company. The total cost is about \$ 75,000 with 5 Axis Servo Robot (HYRobotics HYbrid Series : Servo Wrist) (100-150 tons IMM). : This units will be installed also at NPE Chicago show in this June. www.npe.org, www.hyrobots.com

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