

# LG ELECTRONICS UPGRADED WITH 10 HYROBOTICS NEXIA ROBOT !

LG Electronics in Reynosa Mexico ( McAllen TX ) upgraded their robotics system with HYRobotics NEXIA Series Robots. They said overall production efficiency increased up to 150 % and set up time decreased by 1/2 of last time including mold pin protection with ejector back control.



- Project Goal: Upgrading old generation Robots
- PARTS HANDLING : TV front and Back Cover, Base.
- IMM : 10 of Cincinnati Milacron 1000 & 1500 Tons with SPI Plug
- Robot : 10 of HYROBOTICS NEXIA-1300S ( 3 Axis Servo with pneumatic for Chuck Rotation )
- Controller : HYNC-700, 5.7 inch touch screen. ( Operators ( Mexican ) learn this controller in 2 hours with simulator and start set up their own program in 1/2 days after training.
- Customer complain about old generation robot doesn't allow ejector back control. It breaks the pin when the molded parts in stuck in the mold. HYRobotics NEXIA series simply control ejector back movement only in automatic mode. It saves thousands dollars / month
- 3 Axis Genuine Servo Motors control allow customer to find optimized speed and production set up with pin point with different speed set up.

Before Replacement.



After NEXIA Installation.



“ Machine set up engineers and operators proud of their company where they can learn high technology & new machinery and better working condition and raised up their motivation for their job“



**HYROBOTICS CORP**  
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# RAISING AUTOMATIC MOTIVATION ! HYROBOTICS !

HYRobotics engineer minimized machine loss time and maximize productivity in a week for LG 10 1000~1500 tons IMM.

- 10 NEXIA Robots shipped with 3 x 40' Container and 1 x 20' Container
- Installation Planning : 1 Hours
- Unpacking : 3 Hours
- Assembly : 8 Hours
- Mounting : 12 Hours.
- Interface : SPI Plug with Test ( 1/2 Hours )
- Total Installation Time : 24 Hours ( 3 Working Days )
- Training, EOAT and Mold Setup takes about 2 Days.

**Total Installation and Training Time**

**in 5 Days**



Robot Rigging for Installation : Secure and Safe Rigging



User friendly HYNC-700 Controller



Robot Back side with Operators : Steel ladder for easy maintenance



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