

SPEED, ROBUST, FLEXIBILITY & RELIABILITY !

HYRobotics NEXIA-W Series Take Out Robots, Flat Front , Longer Part Handling

From 400 to Upto ~ 3,000 TONS IMM

Control Features

- Manual , Auto, Step, 1 Cycle operation.
- Basic 4 Position for safety, Waiting, Take out, IMM Start, Release Position.
- Can add up to 80 steps in addition of basic steps including position, motion (Vacuum, Chucking), input delay, output signal to secondary automation
- Each step has Timer Control for Optimum operation
- Mold Maintenance up to 99 Mold.
- For SPI Interface (Standard)
- Optimized 5.7" touch Screen show current operation, manual, step, full auto screen.
- Body Attached Control and IMM interface box minimize foot print
- Rugged and protected plastics case.
- Insert Molding, Inspection, Stacking is ready to use.

**ISO 9001
CE Certified**

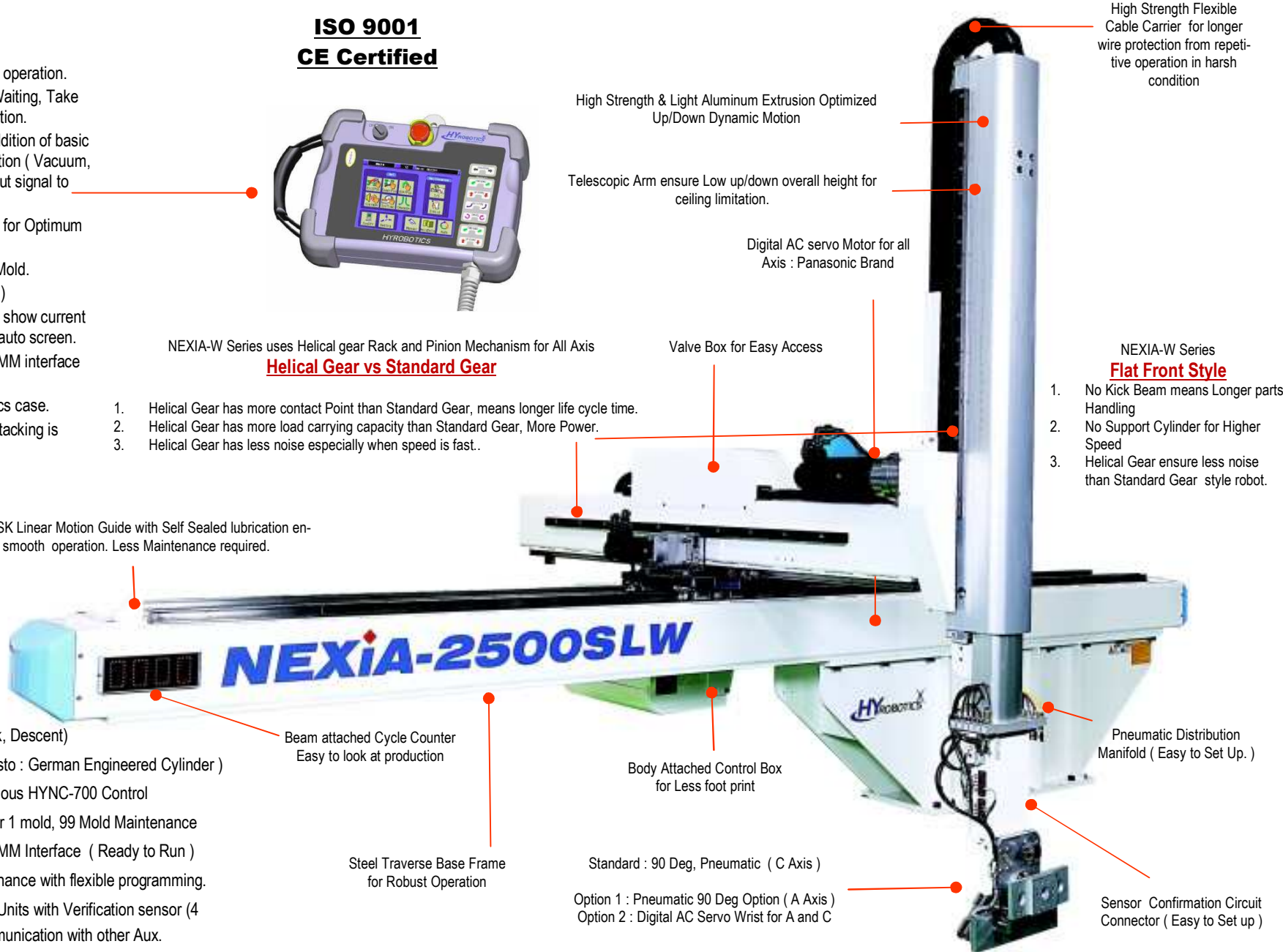


NEXIA-W Series uses Helical gear Rack and Pinion Mechanism for All Axis

Helical Gear vs Standard Gear

1. Helical Gear has more contact Point than Standard Gear, means longer life cycle time.
2. Helical Gear has more load carrying capacity than Standard Gear, More Power.
3. Helical Gear has less noise especially when speed is fast.

All 3 Axis has Precision NSK Linear Motion Guide with Self Sealed lubrication ensure low noise with smooth operation. Less Maintenance required.



High Strength Flexible Cable Carrier for longer wire protection from repetitive operation in harsh condition

High Strength & Light Aluminum Extrusion Optimized Up/Down Dynamic Motion

Telescopic Arm ensure Low up/down overall height for ceiling limitation.

Digital AC servo Motor for all Axis : Panasonic Brand

Valve Box for Easy Access

NEXIA-W Series
Flat Front Style

1. No Kick Beam means Longer parts Handling
2. No Support Cylinder for Higher Speed
3. Helical Gear ensure less noise than Standard Gear style robot.

Standard Features

- 3 Axis AC Servo (Traverse, Kick, Descent)
- 1 Axis Pneumatic Operation (Festo : German Engineered Cylinder)
- User friendly , Standard and Famous HYNC-700 Control
- Up to 80 Steps can be created for 1 mold, 99 Mold Maintenance
- Standard SPI, Euromap 12, 67 IMM Interface (Ready to Run)
- Fast, reliable and easy of maintenance with flexible programming.
- 2 Vacuum circuits with 2 Chuck Units with Verification sensor (4 User input and 4 Output for communication with other Aux.
- Reject Signal allow separate parts to other location.
- 90 Deg Chuck Rotation release ensures part protection.

Beam attached Cycle Counter Easy to look at production

Body Attached Control Box for Less foot print

Steel Traverse Base Frame for Robust Operation

Standard : 90 Deg, Pneumatic (C Axis)

Option 1 : Pneumatic 90 Deg Option (A Axis)
Option 2 : Digital AC Servo Wrist for A and C

Pneumatic Distribution Manifold (Easy to Set Up.)

Sensor Confirmation Circuit Connector (Easy to Set up)

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All information is subject to change without notice.