



ALPS NexGen Rotary container leak inspection systems are designed to ensure production line quality through 100% inspection for the most critical defects. The system performs a functional test of the container and seal surface integrity using a pressure decay test method. Defective containers are automatically detected and ejected.

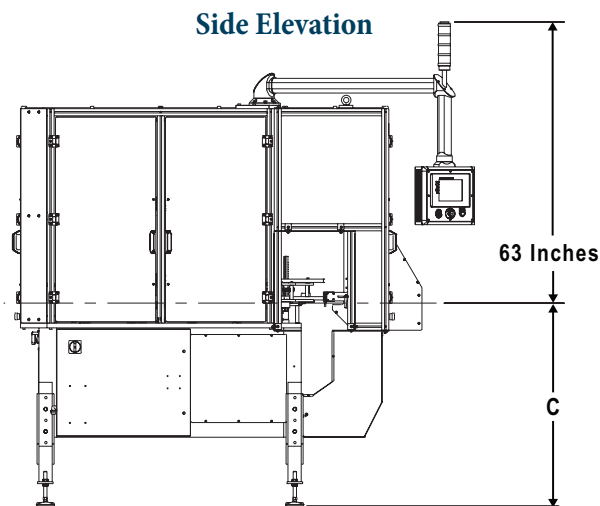
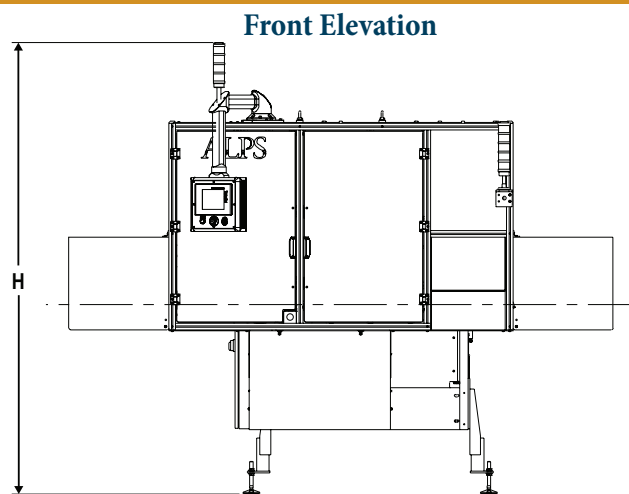
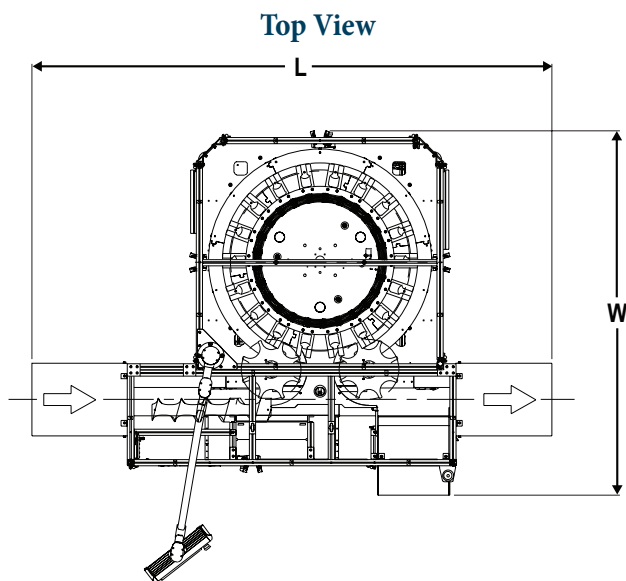
On-line leak testing supports quality goals, light-weighting initiatives, increased use of recycled material, and the introduction of new container types and processes.

Features and Benefits

Feature	Corresponding Benefit
Quick-Lock No-Tool Change Parts Tooling	10-15 minute changeovers requiring no tools or judgments
ALPS "LTC" Leak Test Controllers on each station	Modular, fast and accurate test heads with quick connectors for ease of maintenance
Boom-mounted Color Touch Screen Interface	Easy-to-access visual machine monitor including detailed data per station and machine history
Integrated 'Self Test' Function	Easy and reliable means to verify detection of a defined hole size through the touch of a button
Ethernet Capability	Allows communication of machine and test data; Plus optional remote access for troubleshooting
Painted Steel Frame	Rugged, durable construction designed to last in challenging production environments
High and Low Voltage Control Boxes	Low Voltage controls components are easily and safely accessible while machine is running
Turntable Vacuum System option (U.S. Patent #7,559,232)	Detection of smaller holes in the critical base region of certain container types (e.g. gate defects in PET containers)
Topload and Height options	Value-added inspections taking advantage of existing bottle handling and reject system
Laser Code option	Ability to integrate controlled coding function prior to leak testing of PET bottles

NexGen Rotary

Standard Machine Specifications



Standard Machine Sizes

Model Number	Normal Maximum Testing Rate	Approximate Dimensions* L x W x H (C=Conveyor Height)	
NexGen Rotary 4	100 CPM (6,000 CPH)	127" x 70" x (C + 63")	3226 x 1778 x (C + 1600)mm
NexGen Rotary 6	150 CPM (9,000 CPH)	127" x 70" x (C + 63")	3226 x 1778 x (C + 1600)mm
NexGen Rotary 8	220 CPM (13,200 CPH)	127" x 70" x (C + 63")	3226 x 1778 x (C + 1600)mm
NexGen Rotary 10	300 CPM (18,000 CPH)	127" x 70" x (C + 63")	3226 x 1778 x (C + 1600)mm
NexGen Rotary 12	400 CPM (24,000 CPH)	131" x 79" x (C + 63")	3328 x 2006 x (C + 1600)mm
NexGen Rotary 14	467 CPM (28,000 CPH)	131" x 79" x (C + 63")	3328 x 2006 x (C + 1600)mm
NexGen Rotary 16	533 CPM (32,000 CPH)	131" x 79" x (C + 63")	3328 x 2006 x (C + 1600)mm
NexGen Rotary 18	600 CPM (36,000 CPH)	131" x 92" x (C + 63")	3328 x 2338 x (C + 1600)mm
NexGen Rotary 21	700 CPM (42,000 CPH)	131" x 92" x (C + 63")	3328 x 2338 x (C + 1600)mm
NexGen Rotary 24	800 CPM (48,000 CPH)	131" x 92" x (C + 63")	3328 x 2338 x (C + 1600)mm
NexGen Rotary 27	900 CPM (54,000 CPH)	131" x 92" x (C + 63")	3328 x 2338 x (C + 1600)mm
NexGen Rotary 30	1000 CPM (60,000 CPH)	131" x 92" x (C + 63")	3328 x 2338 x (C + 1600)mm

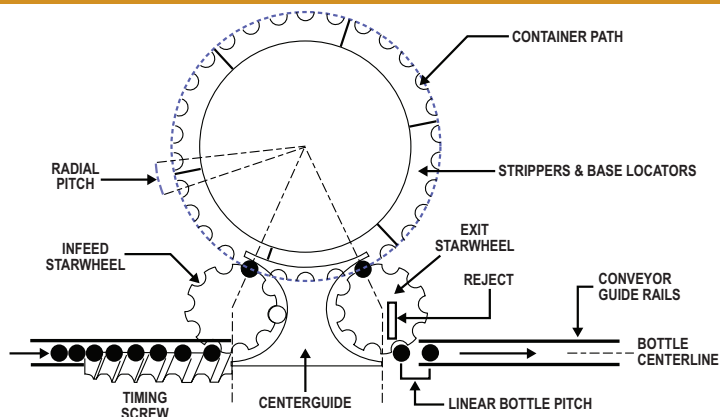
*Dimensions are approximate and for reference only.

Standard Utility Requirements

480 VAC • 60Hz • 3 phase • 20 Full Load Amps
 30 Full Load Amps with Turntable Vacuum option
 80 PSI • 10-30 SCFM

How It Works

The ALPS NexGen Rotary leak inspector is installed onto a continuous production line – typically the first machine after the molding or forming machine. Containers are fed single file, via tabletop or air conveyor, into the timing screw and infeed starwheel. Each container is individually pressurized and leak tested during its travel around the turntable, then returned to the conveyor by the exit starwheel. Bad containers are automatically ejected by means of an integrated speed-compensated reject mechanism. The NexGen Rotary is available in multiple versions, with different numbers of test stations, to meet the specific speed and sensitivity requirements of the application.



ALPS is the leading North American manufacturer of high speed container leak inspection systems. Our current installed base of machines has capacity to test approximately 50 billion containers annually.



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