List of Exlar Applications

Application Name	Publication	First Date of Publication
Hydraulic cylinder replacement	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Pneumatic cylinder replacement	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Ball screw replacement	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Animatronics	*Machine Design* Magazine Article	13-Dec-01
Automated assembly	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Automated flexible fixturing	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Automatic tool changers	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Bending	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Broaching	Application Bulletin 1003, Broaching	1-May-97
Cam Replacement	Application Bulletin 1006, Cam Replacement	1-May-97
Chip and wafer handling	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Clamping	Exlar Product Catalog; PN 950008/5M/10.01	1-Oct-01
Clean Room Applications	Exlar Product Catalog; PN 950008/5M/10.01	1-Oct-01
Conveyor diverters / gates	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Cut-offs	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Die cutters	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Dispensers	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Elevator Lifts	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Entertainment	EXLAR CORPORATION 2000 PRODUCT CATALOG; PN 13356	12-Jan-99
Fastening/Joining	Exlar Product Catalog; PN 950008/5M/10.01	1-Oct-01
Fillers	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Formers	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Glass Manufacturing	Application Bulletin 1008, Glass Bottle Manufacture	1-May-97
Indexing stages	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Injection Mold Core Pulling	Application note "All Electric Core Pull'	7-Mar-05
Level Winding	Application Note 'Traverse Winding'	7-Mar-05
Lifts	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Load Cells Embedded in Electric Actuators	Application note 'Force Sensing Actuators'	20-Apr-06
Machine tool	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Material cutting	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Material handling	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Medical equipment	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Molding	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Open / close doors	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Packaging machinery	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Parts clamping	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Pick and place systems	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Plastics Equipment	Exlar Product Catalog; PN 950008/5M/10.01	1-Oct-01
Precision grinders	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Precision valve control	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Pressing	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Process Control	EXLAR CORPORATION 2000 PRODUCT CATALOG; PN 13356	12-Jan-99
Product sorting	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Pumping	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Riveting	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Robotics	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Robot manipulator arms	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Sawmill Applications	Application Note 'Oil Free Hydraulic'	7-Mar-05
Semi-conductor processing	Exlar Product Catalog; PN 950008/5M/10.01	1-Oct-01
Simulators	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94

Stamping	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Tension control	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Test stands	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Thermo-forming	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Toggle press Control	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Tube Bending	Exlar Product Catalog; PN 950008/5M/10.01	1-Oct-01
Ventilation Control Systems	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jul-96
Volumetric pumps	EXLAR GS45 LINEAR ACTUATOR Specification; PN 10142	1-Dec-94
Web Control	Exlar Product Catalog; PN 950008/5M/10.01	1-Oct-01
Web guidance	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Welding	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Wire winding	Product Specifications - GS Series Linear Actuators; PN 10477	1-Jan-96
Valve Control	Application Note “Tritex Series Electric Servo Valve Actuator”	1 Dec 06
Turbine Control	Application Note “Servo Electric Turbine Valve Actuator”	1 Dec 06
Pressing/Fastening	Product Specifications – 2 Axis Pressing Actuators; PN 30429	7 Sept 06
Motion Simulation	Application Note “Six Degree of Freedom Motion Simulation”	7 Mar 05
Active Seat Suspension	Application Note “Electric Actuators for Active Seat”; PN 42898	10 Sept 09
Fire Fighting	Application Note “Aerial Fire Fighting”	7 Mar 05
Cap Closing	Application Note “Replacing Hydraulics in Cap Closing”; PN 40954	1 Apr 09
Damper Control	Application Note “Servo Electric Damper Actuators”	15 May 07
Pressing Applications	Application Note “Replace Air Over Oil Systems”; PN30429	7 Sept 06
Gas Turbines	Application Note “Gas Turbine Electric Valve Actuators”	7 Feb 07
Labeler	Application Note “Labeling Machines”	7 Mar 05
Medical Equipment	Application Note “Servo Actuators for Medical”	7 Mar 05
Multiple Axis Robotics	Application Note “Multiple Axis Robotics”	7 Mar 05
Electric Valves	Application Note “Perfect Servo Electric Valve Actuator”	16 May 07
Welding	Application Note “Welding”; PN 40955	1 Apr 09
Riveting, Fastening or Joining	Application Note “Riveting, Fastening or Joining Retrofits”	7 Mar 05
Road Top Surface Testing	Application Note “Soil and Road-top Surface Test Equip”; PN 39418	20 Nov 08
Scissors Lift	Application Note “All Electric Scissors Lift Alternative”; PN 42161	15 Jul 09
Turbine Valve Actuator	Application Note “Servo Electric Turbine Valve Actuator”	7 Mar 05
Test and Motion Simulation	Application Note “Test and Motion Simulation”	7 Mar 05
Thermoforming	Application Note “Thermoforming with Electric Retrofit”	7 Mar 05
Unmanned Vehicles	Application Note “Unmanned Vehicles, Darpa Challenge”; PN 41056	1 Apr 09
Weld Positioning	Application Note “Servo Weld Gun Actuators”	7 Mar 05
Process Control	Application Note “Pipeline Flow Control”	11 Jan 10
Cap Closing	Application Note “Replace Pneumataic Actuators with Electric in Cap Closing”	2-Mar-10
Motion Simulation	Application Note “Gridspace Corporation – 6 DOF Motion Simulator”	12-Aug-10
Thermoforming	Application Note “Meaf Machinery – Thermoforming”	9-Mar-11
Welding	Application Note “PW Resistance – Welding Application”	8-Apr-09
Process Control	Application Note “Tritex Series Electric Servo Valve Actuator”	7-Mar-05
Food Processing	Application Note “Haas-Mondomix Food Processing-Aeration”	4-Apr-11
Blood Bag Welding	Application Note “Colpitt – Blood Bag Welding”	30-Jun-11