

Ball Corporation's Natural Progression

1961 Mundelein, III., glass plant built; closed in 1981 1953 Hygeia nursing bottle business purchased; phased out in mid-1960s





1987 Ball-InCon glass joint venture formed



1990 Ball-InCon became wholly owned subsidiary of

Ball; seven former InCon plants acquired

1992 Commercial glass manufacturing operations of

995 Ball and Saint-Gobain formed joint venture Ball-Foster Glass Container Co., L.L.C. 1996 Sold remaining 42% interest in Ball-Foste

Ball exited glass business

Kerr Glass Manufacturing Corporation acquired:

1991 Consumer Products Division introduced line of fruit preserve

993 Seven businesses spun off to form Alltrista Corporation: consume

and the LumenX company (vision inspection products)

products (marketer of Ball canning products), metal services, zin

products, Unimark plastics, industrial plastics, plastic packaging

1991 Plastic Packaging Products Co. joint venture established

1992 Plastic Packaging Products Co. became wholly owned

owned subsidiary of Ball; included seven plants

1993 Heekin Can, Inc., acquired; included 11 plants

1990 CRRES (Combined Release and Radiation Effects

1990 Hubble Space Telescope launched with Ball

1991 Ball awarded COSTAR contract to correct Hubble

Space Telescope's optical aberration

1992 FTB joint venture formed for China can plants

1994 Ball Asia Pacific Ltd. office established in Hong Kong

Yamamura Glass Co. to manufacture beverage cans

1994 Joint venture formed with San Miguel Corp. and

1995 Joint venture formed with BBM to manufacture

1990

1994 Touch Top™ ends introduced

beverage containers in Brazil

1990 RME (Relay Mirror Experiment) launched



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Discontinued

Ball Aerospace

Food & Aerosol Packaging

Global Beverage Packaging





- 1885 Zinc caps first made 1887 Muncie, Ind., plant built. Metal operations
- 1889 All jar fittings manufacturing moved to 1889 Day-tank replaced pot furnaces

Other Products

in tin kerosene containers

- continued at Buffalo and Bath, N.Y. 1888 First glass products made in Muncie, Inc glass oil cans and lamp chimneys
- - patented by E.B. Ball 1898 Ft. Wayne Glass Works, Upland, Ind., acquired

1892 "Day and Night" flint glass tank installed –

1,000 workers employed

1897 F.C. Ball Machine invented (patented 1898) – world's first semiautomatic glass machine 1898 Aluminum caps made for jars

dozen of anything shipped to grocery -

- 1904 Loogootee Glass Works, Loogootee, 1904 Swayzee Glass Co., Swayzee, Ind., acquired 1904 Upland Glass Co., Upland, Ind., acquired 1905 Automatic-flow feeder invented
- 1901 Windfall Glass Co., Windfall, Ind., acquired acquired with plants in Marion, Converse, Fairmount, Ind., and Coffeyville, Kan. 1904 Port Glass Works, Belleville, III., acquired

1908 Totally automatic glass-making perfected by Ball

1909 Greenfield Fruit Jar & Bottle Co., Greenfield, Inc and Owens machine license acquired

1909 Mason Fruit Jar & Bottle Co., Coffeyville,

1902 Corrugated paperboard first used by Ball

for interstate shipment of jars by rail

1909 First Blue Book published

first automatic glass machine

1914 Began making rubber sealing rings for jars 1915 Ideal jars first produced; discontinued 1962

1913 Texas Bottle Co., Wichita Falls, Texas,

1911 Zinc mills in LaHarpe, Kan., Lanyon

1912 Zinc mill established in Muncie, Ind.

Mill Co. acquired

Zinc Smelting Co. and LaHarpe Rolling

1915 First outside sale of zinc and zinc products

1916 Westside Paper Mill, Muncie, Ind., acquired

began including export to South African gold

acquired; new plant built and operated

O Jelly glasses introduced 1922 Eclipse jars manufactured until 1952 1925 Schram Glass Manufacturing Co., St. Louis, acquired, with plants in Hillsboro, III.; Huntington, W.Va.; and Sapulpa, Okla. 1929 Pine Glass Corp., Okmulgee, Okla., acquired

1923 Noblesville Strawboard Mill

1926 Manufacture of "B" and "C'

battery cans began

Noblesville, Ind., acquired

- 1930 Two-piece Mason jar closures made of zinc and glass; later of tinplate and glass; and later of all tinplate 1936 Three Rivers Glass Co., Three Rivers Texas, acquired

1933 Eaton Strawboard Mill, Eaton, Ind., acquired

1934 Muncie, Ind., zinc mill expanded; became

largest strip-rolling mill in world

1935 Rubber department expanded to make

goods for household appliance and

1937 Black mechanical rubber productio

1935 Pressure cookers first produced

discontinued in 1941

automotive industries

from Upco Corp.

- 942 Aridor Co., Chicago, acquired for commercial 1955 Can-or-Freez™ jar introduced 1945 No. 1 glass plant in Muncie, Ind., burns 1947 Friedrich & Dimmock, Millville, N.J., purchase to make spun glass fiber and other glass
- 1962 Muncie, Ind., glass plant closed 1965 Quilted crystal jelly glasses introduce
- 1970 New Muncie, Ind., home canning closure 1970 Community canning centers program

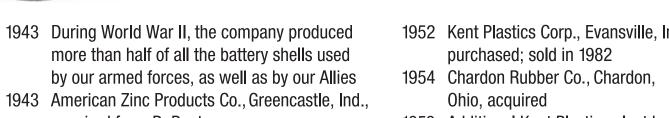
established; discontinued in 1980











1959 Additional Kent Plastics plant built in Evansville, Ind.; sold in 1986 1959 Plastisol sealant developed

1955 Control Cells Corp., producer of

high-altitude balloons)

electronic weighing devices, acquired

1956 Ball Brothers Research Corp. formed

1958 First model from BBRC product line of

rocket-borne pointing controls,

SPC-100, launched (BBRC also made

pointing controls for B52 bomber and

acquired; closed in 1971 1961 Industrial Rubber Goods Co., St. Joseph, Mich., acquired 1962 Plastic container division established with plant in Joliet, III.; plant sold in 1967 1962 Paper products phased out 1964 Caspers and Lafayette companies Chicago, III., acquired

1960 Rolled Plate Metal Co., Brooklyn, N.Y.

1973 VacKote lubricant, later marketed as Sound Guard; 1974 Decision Consultants, Inc., Oakland, Calif., acquired and renamed Ball Computer Products, Inc.; phased out in early 1980s

1971 BBRC awarded contract for low light level television

1973 Time-Zero Laboratories, Gardena, Calif., acquired;

later part of Systems Engineering

phased out in early 1970s

1968 First outside contracts for antennas supplied 1973 Ball-Bartoe Aircraft Corp. formed in Boulder, Colo.;

1975 New facility for Electronic Display Division, Blaine, Minn., built; sold in 1987 1975 Agricultural systems division formed; phased out in mid-1980s 1974 New plastics plant built in Fort Smith, Ark. 1975 Acrylic giftware introduced; sold in 1980 1974 Rubber facility acquired from Litton in Batavia, N.Y. 1976 Freshware introduced; sold in 1981

1977 Ball Service Corporation formed; glass

1976 Two Viking orbiters, carrying Ball-built Visu

1978 Coastal Zone Color Scanner (CZCS) launched

1979 SAGE 1 launched

1979 P78-1 spacecraft launched

1976 Fairfield, Calif., can plant built

1979 Colorado Office Center built

1978 Rubber division sold 1978 Unimark Plastics acquired

manufacturing and inspection equipment

1983 Unimark Plastics, Greenville, S.C., facility and 1975 Petroleum equipment production facility in Natchez, Miss., acquired; closed in 1976 headquarters constructed 1984 Coextruded plastic sheet and containers manufactured in Muncie, Ind.

1981 Shuttle Imaging Radar-A (SIR-A) launched

trackers, antenna and actuators

1982 Efratom time and frequency business acquired;

1981 First space shuttle launched, included Ball star

1983 IRAS (Infrared Astronomical Satellite) launched

1984 ERBS (Earth Radiation Budget Satellite) launched

1984 First Solar Backscaller Ultraviolet Radiometer 2

1985 Analytic Decisions, Inc., acquired; later part of

1980 PLM joint venture plant in Malmo, Sweden, built

1981 Saratoga Springs, N.Y., can plant built

1985 Edmund F. Ball Technical Center dedicated

Berlin; sold to PLM in 1987

1981 Production of zinc-based penny blanks first began

1983 PLM-Ball joint venture beverage can plant built in

Dolton, III.; Washington, Pa. (plant and mould

facility – plant closed in 1987)

1985 FastTrack visual inspection system introduced system introduced 1989 Yorker Closures acquired

985 Bowling Green, Ohio, plant started for manufacturing of coextruded blow-molded plastic containers; closed 1988

1985 Datatrace temperature measurement 1986 Penn Video acquired; later named LumenX 1989 Unimark opened plant in Puerto Rico

Food & Aerosol Packaging

1986 Cryogenics assets of Beech Aircraft acquired

Spectrograph for Hubble

Colo., completed

China, started up

1987 Conroe, Texas, can plant built

1988 Tampa, Fla., can plant acquired

beverage containers

1986 Ball selected to build the Space Telescope Image

1987 Verac acquired, later part of Systems Engineering

1988 Aerospace Manufacturing Center in Westminster,

1987 Colorado Engineering Center facility purchased

1989 AIRLINK® communication system introduced

1989 Systems Engineering headquarters in San Diego,

1986 Joint venture with M.C. Packaging in Guangzhou,

1989 Taiwan joint venture formed to produce metal

1995 PET container plant built in Chino, Calif. 1996 PET container plants built in Baldwinsville, N.Y.; Reading, Pa.; and Ames, Iowa

1996 Brunswick Container assets acquired

1997 PET container plant built in Delran, N.J.

1993 COSTAR installed on Hubble Space Telescope,

1996 Joint venture formed with Standard Can Company

largest can maker in China and Hong Kong

1996 Plants in Beijing, Wuhan and Ningbo (China)

1997 M.C. Packaging Ltd. acquired; Ball became

1998 Reynolds Metals Company's beverage can

through FTB and MCP

operations acquired

to manufacture beverage containers in Thailand

to correct blurred vision

1995 Radarsat launched

Space Telescope

1995 EarthWatch joint venture established

1996 Mars Pathfinder launched carrying

1997 NICMOS, STIS installed on Hubble

plants acquired from Wis-Pak, Inc. 2002 Main office and R&D of plastic container operations moved from Smyrna, Ga., to Westminster, Colo.

2004 Edmund F. Ball Technology & Innovation Center

expanded to include PET operations

metal food containers to ConAgra

2002 Invested \$43 million to install metal food can

plant and built warehouse addition

line in Milwaukee metal beverage container

2000 Built Advanced Camera for Surveys for Hubble

2002 Awarded contract with Lockheed Martin to provide

the integrated body antenna suite for the F-35 Joint

Space Telescope to detect radiation

2003 ICESat launched to measure global warming

2001 Watertown, Wisc., and Sioux City, Iowa, PET

2006 Plastic food packaging facilities acquired from 2009 Plastic pail assets sold

2006 U.S. Can Co. aerosol and specialty packaging

2005 Deep Impact spacecraft collided successfully with

2006 Ball Aerospace celebrated its 50th anniversary

Comet Tempel 1

2007 WorldView-1 satellite launched

2008 Received Goddard Space Flight Center

"Contractor of the Year" Award

2009 COS & WFC3 instruments installed on

Hubble Space Telescope

2009 WorldView-2 satellite launched

2004 Ball launched Heat-Tek™ line of heatset PET bottles 2010 Plastic packaging business sold to Amcor Limited

2010 Neuman Aluminum acquired

2012 San Luis Potosi, Mexico, plant acquired

2015 Ahmedabad, India, plant starts up

2015 Two Canton, Ohio, plants acquired, bringing

2015 G3-HD lightweight steel aerosol can introduced

2018 Ball and Platinum Equity form Ball Metalpack,

2010 WISE completed all sky survey

2010 STPSat-2 launched

2017 JPSS launched

E-Z open food can ends to Ball's product portfolio

2010 Kepler Space Telescope discovered five exoplanets

2010 Space Based Space Surveillance Satellite launched

never-before-seen images of the dwarf planet

2015 New Horizons passes by Pluto to bring us

2016 Wavefront Technologies acquired

2011 Aerocan SAS acquired



1882 Wooden Jacket Can Co. began using glass as a liner



Drive for 10

We Know Who We Are

Proud of our rich history, we recognize the whole of our company is greater than the sum of its parts. Most importantly, we believe in our people, our culture and our ability to deliver value to all our stakeholders. Though we encourage and embrace our diversity of thought, business, location and language, we are "One Ball," valuing:

Uncompromising Integrity

We will not risk damaging our reputation for any reason as we continue to build on our heritage of ethics, respect and stewardship by treating stakeholders the way we would like to be treated.

Being Close to Our Customers

Behaving Like Owners

deliver superior results.

1890

1891 Electricity installed in U.S. White House

1893 Cleveland financial panic and depression

1899 Natural gas began to fail in Indiana gas belt

1892 Carburetor invented

1896 Alaskan gold rush

1898 Spanish-American Wa

1895 X-rays and radio discovered

1898 Radium element discovered

understanding their needs and future direction.

By behaving as true owners of our business, we – as one Ball –

By managing our operations with relentless attention to detail,

Focusing on Attention to Detail

1920 First commercial radio broadcast

1922 Company name changed to

1929 Great Depression underway

Ball Brothers Company

1926 First rocket fired by Robert Goddard

1927 First solo flight of Atlantic by Lindberg

1922 Radar invented

we help create a great business that consistently delivers superior value.

Being Innovative

We strive to be innovative in our processes, our products and the way We have a total commitment to being close to our customers and we conduct business so we can best serve our customers and become a truly sustainable enterprise.

Updated July 2018

1950

1958 First jet airline service

1940 1940 Plutonium element discovered 1941 Pearl Harbor attacked 1941 Aerosol spray developed 1944 D-Day invasion of Europe 1945 World War II ended 1946 Electronic computer developed

1948 LP record developed

1948 Berlin blockade

1950 Korean War began 1951 First transcontinental TV broadcast 1952 H-bomb tested 1953 Korean armistice signed 1957 Sputnik launched; first manmade object

World population reached 3 billion 1960 Laser demonstrated 1961 First U.S. manned space flight 1966 First unmanned moon landing 1967 First heart transplant 1969 First man, Neil Armstrong, walks on moon 1969 Company name changed to Ball Corporation 1974 Home canning lid shortage in U.S

1969 Jeffco Manufacturing Co., Golden

Colo., acquired

1970 World population reached 4 billion 1970 231 million TV sets in use throughout the world 1971 U.S. satellite, Mariner 9, orbited Mars symbol "BLL"

1971 Williamsburg, Va., can plant built

1972 Findlay, Ohio, can plant built

1973 Ball listed on New York Stock Exchange under ticker 73 Skylab launched

1976 Ball listed on Midwest Stock Exchange under ticker

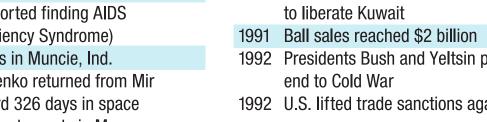
976 New Ball corporate headquarters opened in Muncie, Ind. 1977 Nuclear-proliferation pact, curbing spread of nuclear weapons, signed by 15 countries

1979 U.S. nuclear power plant accident at Three Mile Island, Pa. 1979 Presidents Carter and Brezhnev signed SALT II agreement

World population reached 5 billion 1980 Ball Corporation 100 years old 1986 Two scientific teams reported finding AIDS 1981 Space Shuttle Columbia launched (Acquired Immune Deficiency Syndrome) 1981 Sandra Day O'Connor first woman on U.S. Supreme Court 1981 IBM launched its personal computer

1982 First artificial heart implant performed 1982 Ball stock split 1983 Sally Ride first U.S. woman astronaut in space Guion Bluford first black astronaut 1983 Compact disc (CD) introduced 1989 Berlin Wall fell 1984 Ball sales reached \$1 billion





1992 U.S. lifted trade sanctions against China

1992 Presidents Bush and Yeltsin proclaimed formal

World population reached 5.3 billion

1991 Allied soldiers defeated Iraqi Army in 100-hour battle

to Broomfield, Colo.

1993 Congress approved North American Free Trade Agreement (NAFTA) 1997 Hong Kong handed over to China 1998 Corporate headquarters relocated from Muncie, Ind.,

2000 World population reached 6.1 billion

2000 Final original Peanuts comic strip published

2002 Euro became new currency in European Union

2001 Terrorists crashed two airliners into the World Trade

Center in New York, one into the Pentagon and one

2000 World survived Y2K

2002 Ball stock split

2002 Schmalbach-Lubeca, AG, acquired

2001 Coors Brewing Co. and Ball form Rocky Mountain

2003 Metal Packaging International, Inc., acquired

Metal Container joint venture, Golden, Colo.

2004 Ball launched Sleek Can 2009 Four U.S. plants acquired from AB InBev

2004 Ball launched wine can 2005 Belgrade, Serbia, can plant built 2006 Alumi-Tek® bottle commercialized 2007 Ball Resealable End (BRE) launched in Eur 2008 Eyeris® printing introduced

2005 Ball celebrated its guasquicentennial

2008 Ball issued its first sustainability report

2006 World Cup held in Germany; Italy won

2008 Summer Olympics held in Beijing



joint venture 2016 Monterrey, Mexico, plant built 2016 Rexam PLC acquired

2018 Goodyear, Ariz., and Cabanillas del Campo, Spain, plants built

2017 Ball stock split

World population reached 6.9 billion 2010 75th anniversary of the beer can 2010 World Cup held in South Africa; Spain won 2011 Ball stock split

2011 Final Space Shuttle mission 2013 Ball listed on the NYSE for 40 years 2014 World Cup held in Brazil; Germany wor 2015 Flowing liquid water found on Mars

2016 Summer Olympics held in Rio de Janeiro

2018 World Cup held in Russia; France won





1880 Frank and Edmund Ball start the Wood

1886 Ball Brothers Glass Manufacturing Cor

1886 Aluminum processing invented

1886 Fluorine element discovered

1883 Time zones established

1884 Linotype invented

1885 Motorcycle invented

was incorporated

1887 Automobile invented 1888 Camera invented

1889 Adding machine invented

Jacketed Can Company in Buffalo, N.





1900

World population reached 1.6 billion

1903 First airplane flight at Kitty Hawk

1905 Theory of relativity proposed by Einstein

by Wright brothers

1906 San Francisco earthquake

1909 Plastic invented



1911 Air brake invented

1914 World War I began

1918 World War I ended

1911 Air conditioning invented

1914 Panama Canal opened

1919 U.S. prohibition enacted

1910

BALL



World population reached 2 billion

1930 Jet engine invented

1933 U.S. prohibition repealed

1935 Parking meters invented

1939 First commercial TV broadcast

1939 World War II began in Europe

1939 Helicopter invented

1933 FM radio invented

1935 Nylon invented































2004 Ball stock split

