

EVOLUTION OF ARNOLD®

Key Sales & Acquisitions that Shaped Arnold Magnetic Technologies

1895 - 2021

Arnold Founded 1895

Bion J. Arnold founded Arnold Electric Power Station Company, and patented the first magnetic clutch, "The Arnold Magnetic Clutch" in 1898.

Indiana General 1908

Indiana General founded and begins producing ALNICO magnets in Valparaiso, IN.

Arnold Engineering 1924

Company renamed "The Arnold Engineering Company" and began producing ALNICO in Marengo, IL in 1935 under Bion's son Robert.

Allegheny Ludlum 1946

Allegheny Ludlum Steel Corporation purchased Arnold Engineering. Robert Arnold continued as president, and became a vice president of Allegheny Ludlum.

General Ceramics 1959

Indiana General merged with General Ceramics in Keasbey, NJ to form Indiana General Corporation, manufacturing ALNICO and hard Ferrite magnets.

Ogallala Electronics 1967

Arnold Engineering purchased Ogallala Electronics Manufacturing from TRW in Ogallala, NE, manufacturing high power coils and solenoids.

Memories & Magnetics 1969

Indiana General Corp is acquired by Electronic Memories and Magnetics.

Brown Boveri Cie 1972

Brown Boveri Cie Switzerland launches the first rare earth production in Europe, trademarks the name Recoma® (Rare Earth Cobalt Magnets). Originally founded in 1891, today, Brown Boveri is known as ABB.

RECOMA Inc 1976

Brown Boveri RECOMA Inc is founded in Fairfield, New Jersey. AKA: the Boonton plant.

Samarium Cobalt 1976

Indiana General begins production of rare earth magnets (SmCo) in Valparaiso, IN.

Pechiney/UGIMAG 1980

RECOMA Inc was acquired by Pechiney and became part of the French magnet producer UGIMAG.

Flexmag Founded 1981

What would become one of the world's largest manufacturers of printable flexible magnet sheets, strips and extrusions was founded in a house in Marietta, OH.

IG Technologies 1983

Indiana General bought by its GM, John A Johnson and renamed IG Technologies. Became the first company to produce Neodymium magnets and established a subsidiary in the UK.

SPS Technologies 1986

SPS Technologies purchased Arnold Engineering from Allegheny International. Arnold Engineering became Group Arnold, and then Arnold, the Magnetic Products Group of SPS.

Dynacast 1989

Flexmag purchased by Dynacast.

IG/Recoma Merger 1989

IG Technologies was acquired by RECOMA Inc. The companies merged in 1991 and became UGIMAG Inc, a member of Carbone Lorraine Group with plants in Indiana, New Jersey and Singapore. Produced trade name products: Ugimax for Neo, Recoma and Incor for SmCo and Cunife.

D.M. Steward Mfg 1990

Group Arnold acquired the Hard Ferrite Slice/Dice business of D.M. Steward Manufacturing in Chattanooga, TN. Most of that business was integrated into Ogallala.

Pyroferriic Intl 1991

Arnold strategically aligned with Pyroferriic Intl to market their iron powder cores alongside Arnold's own powder cores they had produced since 1948.

2010 Arnold sold powder core business to MicroMetals

Minnesota Mining 1992

Arnold acquired Minnesota Mining and Manufacturing (3M) Company's bonded magnet business in Norfolk, NE, now part of Arnold's Flexmag business, and referred to as Flexmag West.

National Magnetics 1993

Arnold formed a 50-50 partnership with National Magnetics in California to produce soft magnetic wound core/c-core products.

2001 Arnold acquired full ownership of National-Arnold Magnetics

2003 Arnold sold wound core business to Magnetic Metals

Not to be confused with the power supply manufacturer in Camarillo, CA - Arnold Magnetics Corp.

Swift-Levick 1996

Arnold acquired Swift-Levick Magnets Ltd of Derbyshire, England from Outokumpu Oy, a major European manufacturer of Cast Alnico and Samarium Cobalt permanent magnets. SW was founded in 1883.

Flexmag Industries 1996

Arnold purchased Flexmag Industries in Marietta, OH, a manufacturer of flexible bonded magnets, from Dynacast Inc, along with Dynacast's injection molded magnet business.

RJF International 1997

Arnold acquired RJF International's bonded magnet business located in Cincinnati, OH, and merged it into Flexmag in Marietta, positioning Flexmag as the largest manufacturer of flexible bonded magnets in North America.

Magnetic Technologies 1997

Arnold acquired Magnetic Technologies Corporation headquartered in Rochester, NY.

Jade Magnetics 1998

Arnold formed joint venture with Jade Cartridge Company in Shenzhen, China called Jade Magnetics to manufacture magnetic assemblies and bonded magnets.

Premier Microwave 1998

Arnold acquired the wound solenoid business of Premier Microwave and consolidated into Ogallala Electronics, establishing Ogallala as the leading manufacturer of foil wound solenoids in North America.

Magnequench 2000

UGIMAG Inc was acquired by Magnequench. The Valparaiso plant closed in 2003, Neo production was transferred to Asia. Magnequench produced RECOMA in Lupfig, Switzerland, Sheffield, UK, and Wayne, New Jersey and was known as Magnequench Permanent Magnet Group.

Precision Magnetics 2004

Magnequench divests Permanent Magnet Group which in 2005 became Precision Magnetics LLC, owned by Archibald Cox Jr.

Audax acquires Group Arnold 2005

Precision Cast Parts acquired SPS Technologies in 2003, and sold the Magnetics Group to Audax Group in 2005. Arnold changed name to Arnold Magnetic Technologies. Arnold acquired ownership of Jade Magnetics in China.

Ganzhou Mine 2007

Arnold Magnetic Technologies AG of Lupfig, Switzerland developed joint venture with GQD in China for the production of Samarium Cobalt and other rare earth raw materials and blocks for the Asian market.

Arnold acquires Precision Mag 2007

Arnold acquired Precision Magnetics and relocated their corporate office from Marengo, IL to Rochester, NY. Arnold moved Precision Magnetics' Wayne, NJ operations to Rochester. Arnold closed Swift-Levick in the UK, merging the SmCo business to Lupfig, moved Assemblies to Sheffield, and the Cast Alnico business to Marengo.

Compass (CODI) acquires Arnold 2012

Compass Diversified Holdings (CODI) purchased a majority interest in Arnold Magnetic Technologies from Audax.

Technology Center 2019

Arnold Magnetic Technologies opens new Technology Center for Research & Development, including rapid prototyping in Madison, WI.

Arnold Acquires Ramco 2021

Arnold acquired Ramco Electric Motors, adding stators and full electric motors to Arnold's offerings and expanding their capabilities with rotors.

Today 2021

Arnold maintains eleven manufacturing facilities plus their joint venture.

PMAG Division

**Lupfig, CH
Marengo, IL, USA
Ogallala, NE, USA
Rochester, NY, USA*
Madison, WI
Sheffield, UK
Shenzhen, CN**

Ramco Electric Motors Division

Greenville, OH, USA

Precision Thin Metals Division

Marengo, IL, USA

Flexmag Division

**(East) Marietta, OH, USA
(West) Norfolk, NE, USA**

Joint Venture - Mine

Ganzhou, CN

** Headquarters*

For more about Arnold's history, visit our website's About page.



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ENGINEERING SOLUTIONS TOGETHER

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