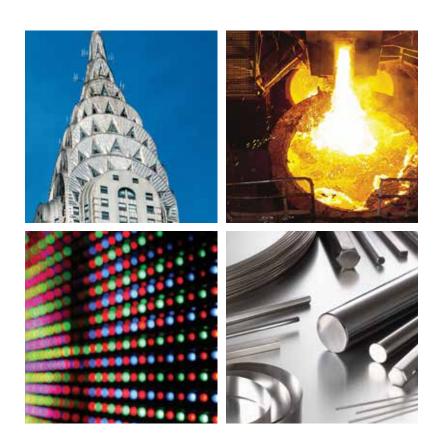
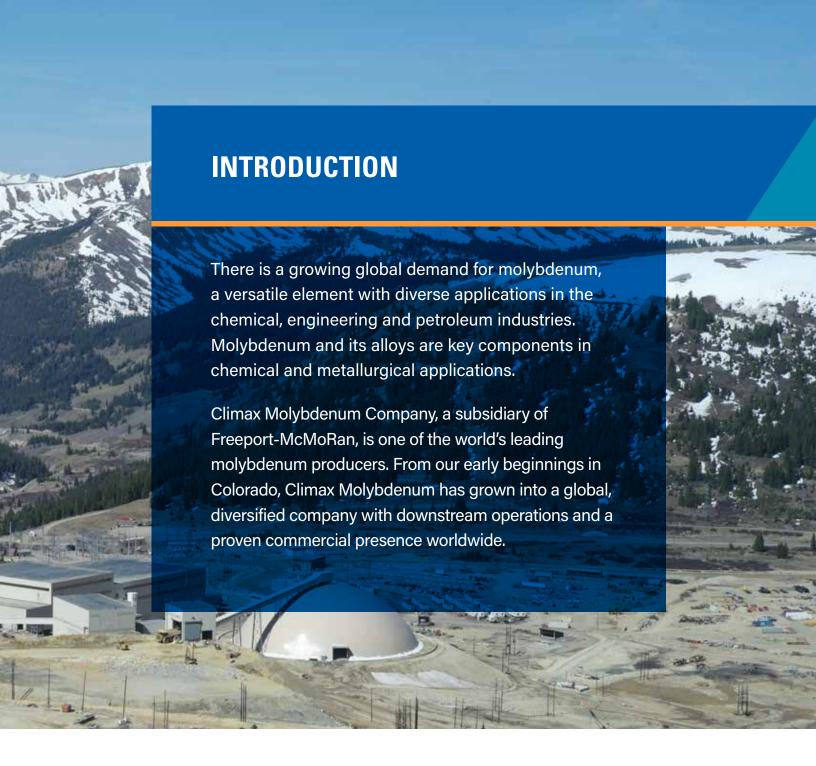
LEADING THE WORLD IN MOLY











CLIMAX MINE BEGINS PRODUCTION

On April 2, 1918, Climax ships its first concentrate totaling 21,000 pounds with a market value of \$100,000. Climax is a major contributor to the allied war effort during World War I.

GLOBAL OPERATIONS



Our operations in North America and South America include both primary and by-product molybdenum mines.

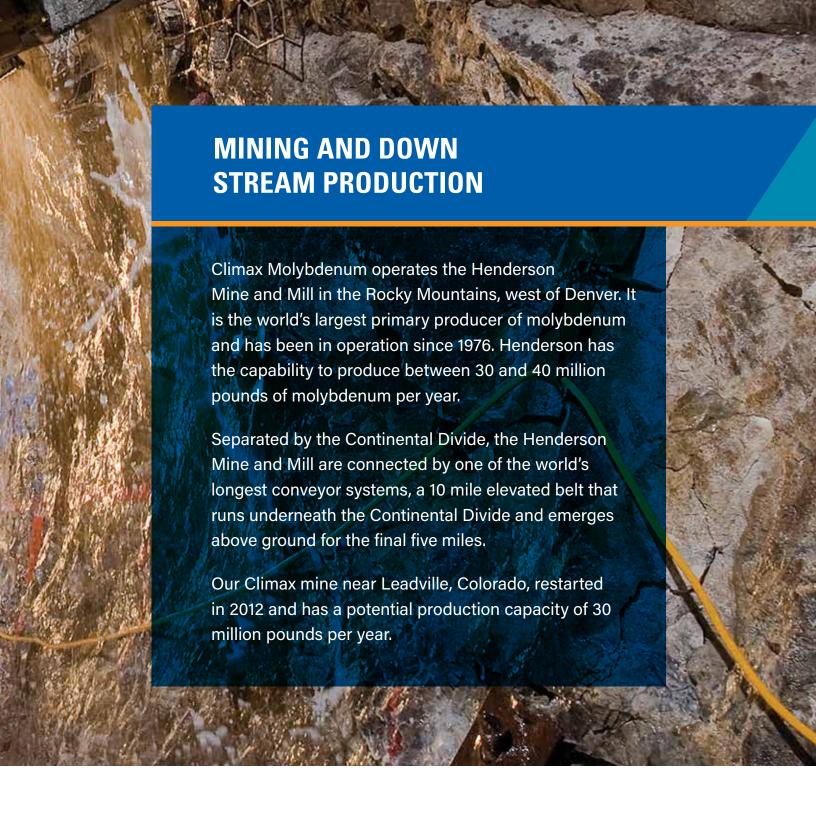
We are also one of the leading global producers of molybdenum with chemical and metallurgical products manufactured at our production facilities in the United States and Europe. Our Fort Madison's conversion capabilities provide Climax Molybdenum with a premier source for upgraded molybdenum chemical products.

The Climax Stowmarket plant in the United Kingdom provides ferromolybdenum and Climax Molybdenum B.V. in the Netherlands produces technical molybdic oxide, ammonium dimolybdate and pure molybdic oxide.

Serving customers worldwide, Climax Molybdenum's resources are well positioned to maintain molybdenum production rates for decades to come.





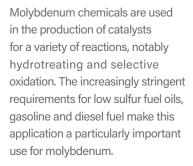


WORLD'S LARGEST MINE
Climax becomes the world's
largest underground mine.



CHEMICAL APPLICATIONS OF MOLYBDENUM







Molybdenum metal and alloys are used in a number of important end products including lamp applications, glass melting electrodes and electronic devices. The characteristics of molybdenum metal powders are determined not only by the process conditions during reduction, but also by the physical and chemical properties of the starting materials.



The naturally occurring form of molybdenum (MoS₂) is an important solid lubricant used primarily for reduction of wear and friction, and maintains good lubricating performance in tough conditions. Molybdenum complexes, soluble in petroleum oils and other organic solvents, are finding increased use as antiwear and extreme pressure additives as well as friction modifiers in lubricating oils, greases and coatings.

1957

CLIMAX MERGESClimax and American

Metal Trading Company merge to become AMAX.



CHEMICAL APPLICATIONS OF MOLYBDENUM







Molybdate, usually in the form of sodium molybdate, is used as an anodic corrosion inhibitor in aqueous systems, such as cooling water treatments and automobile anti-freeze/coolant products. It is effective in inhibiting corrosion of steel, cast iron, aluminum, copper, brass, cadmium and solder, and is typically used with other corrosion inhibitors.

Molybdenum in the form of ammonium octamolybdate (AOM) or molybdic oxide is used as a smoke suppressant in plastics, especially polyvinyl chloride (PVC). Common applications include wire and cable for use in plenum spaces, interiors of mass transit vehicles, carpet backing for commercial grades of vinyl backed carpet, and building materials for interior use in public buildings.

PIGMENTS

Historically molybdenum compounds have been used in pigments generally called molybdenum orange, for use in paints, plastics and inks providing a reddish hue, cleanliness and striking colors. White corrosion inhibiting pigments are used as paint primers and other molybdenum compounds are important components in organic toners. More recent uses include incorporation into bismuth vanadate yellow and the emerging classes of rare earth molybdenum high-performance pigments.



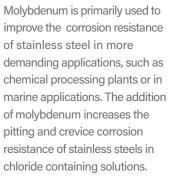
1976

HENDERSON MINE PRODUCES

Henderson begins production at the rate of 10,000 tons per day via panel caving from the 8,100 foot level.

METALLURGICAL APPLICATIONS OF MOLYBDENUM







To increase hardness and wear resistance over a broad temperature, molybdenum is added to tool- and high-speed steel. It increases the strength and hardness of cast iron, as well as increases elevated temperature strength and creep resistance. In high-strength, lowalloy steels (HSLA) molybdenum improves strength and weldability.



NICKEL DASE ALLUYS

Molybdenum is an important alloying element in high-performance nickel base alloys. The corrosion-resistant nickel base alloys find extensive use in the chemical processing, pharmaceutical, oil and gas, petrochemical, and pollution-control industries.

1980

BREAKING RECORDS

Climax and Henderson mines produce a record 100 million pounds of molybdenum; employment peaks at 3,000 at Climax and at 2,000 at Henderson.



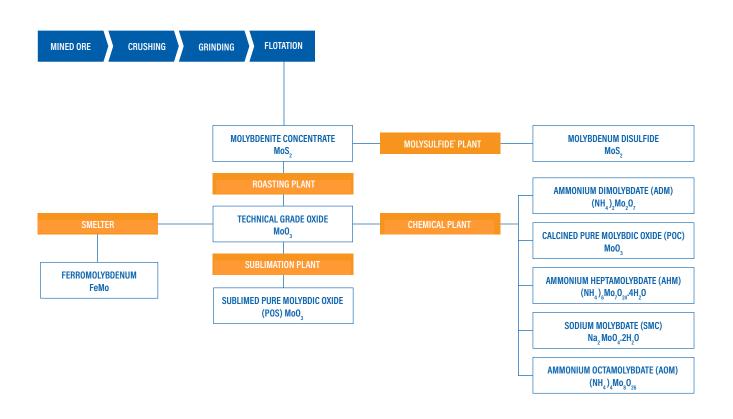




AMAX MERGER

Cyprus Minerals and AMAX merge becoming Cyprus AMAX.

PRODUCTION OF MOLYBDENUM PRODUCTS



1996

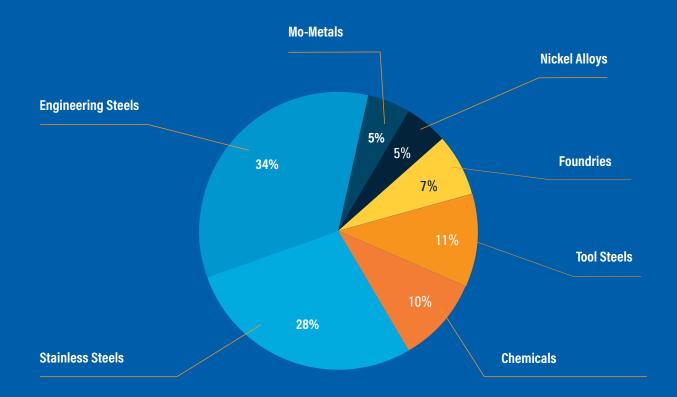
HENDERSON REPLACES TRAIN

Project at Henderson commences to replace train with an underground crusher and 15 mile long conveyor system.



MARKETS

The markets for molybdenum products are diverse, and we serve both the chemical and metallurgical market segments on a global basis.



SOURCE: INTERNATIONAL MOLYBDENUM ASSOCIATION'S SMR END USE 2019 EXECUTIVE SUMMARY



1999

CONVEYOR SYSTEM COMPLETE

Phelps Dodge purchases Cyprus AMAX; conversion from train haulage to conveyor system is completed.





HENDERSON

MODERNIZATION COMPLETED

Over one million hours worked without a lost time accident. Highest yield ever.





PHELPS DODGE ACQUISITION

FCX acquires Phelps Dodge and announces restart of Climax.







CLIMAX OPERATIONS START

Commercial operation starts at Climax with first shipment of molybdenum in May.



INFORMATION AND CUSTOMER SERVICE

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PRODUCTS

CHEMICAL PRODUCTS Ammonium Octamolybdate Ammonium Dimolybdate Ammonium Heptamolybdate Calcined Pure Molybdic Oxide Sublimed Pure Molybdic Oxide Sodium Molybdate Molybdenum Disulfide

METALLURGICAL PRODUCTS Ferromolybdenum Technical Molybdenum Oxide Powder

- Carbon Free Briquettes

OTHER Ammonium Perrhenate Rhenium Pellets

LOCATIONS AND CONTACTS

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