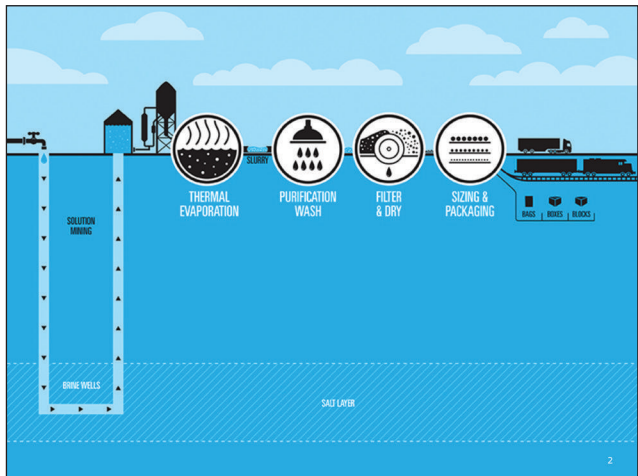




LYONS MANUFACTURING, manufactures parts for Spirit and Lear/Bombardier. Spirit produces the fuselage and engine nacelles for the Boeing Dreamliner 787 pictured above. Lyons Manufacturing produces some parts that are used in that process. The General Manager of Lyons Manufacturing is Craig Mullins.

**COMPASS MINERALS**

**Lyons operation is a supplier of consumer salt products nationwide and major employer in Rice County**



Nelson Mandela once said, "Let there be work, bread, water and salt for all." Compass Minerals upholds that maxim and works to provide salt for all.

Compass Minerals is a leading producer of deicing and water conditioning products, consumer and commercial culinary salt, and mineral-based products for agricultural and industrial applications. While the headquarters are located in Overland Park, the company has numerous production and packaging facilities in the United States, Canada, and the United Kingdom making it one of the largest salt producers in the world.

Compass Minerals owns and operates several of the world's largest and deepest salt mines. The company uses drill-and-blast and continuous mining techniques in their underground mines to extract millions of tons of salt each year. The company also draws thousands of tons of salt, potash and magnesium chloride from the Great Salt Lake in Utah using solar evaporation.

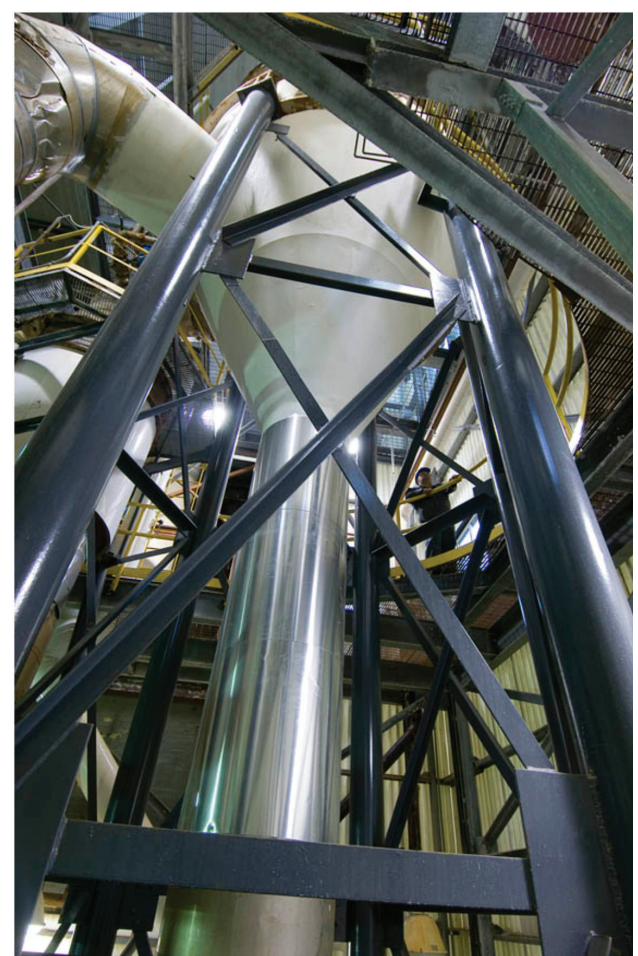
Compass Minerals in Lyons is one of the company's mechanical evaporation operations. Water is pumped through shafts underground (see illustration above) dissolving the solid salt. The salty brine is pumped

to the surface. High-efficiency machinery evaporates the water and crystallizes the salt. The Lyons facility produces more than a thousand tons of crystallized salt daily and has an annual capacity of approximately 450,000 tons.

Many American households deal with the effects of hard water. Compass Minerals is there to help. While the company produces table salt, branded under several different labels, Compass Minerals naturally sourced water conditioning salt is a popular selling product. Although not produced at the Lyons facility, the company's top selling product is highway deicing salt.

While salt is generally recognized as safe for human use, all salt producers must meet the Food Chemical Codex's (FCC) recognized standards for purity, and the Food and Drug Administration's (FDA) requirements for safety. Compass Minerals, Lyons, is inspected annually and production meets or exceeds the federal standard of 99.5 percent pure.

One of the Lyons' and Rice County's major employers, Compass Minerals boasts more than 100 years of business, a consistent workforce, and an excellent safety record at the local plant. Compass Minerals brings prosperity to Rice County and salt to American homes and businesses.



**Lyons Manufacturing is still providing parts for the world's jet airliners**

Lyons Manufacturing Company continues to manufacture parts for the Boeing 787 Dreamliner program, the Boeing 737, 747, and 777 programs. In addition to those product lines Lyons Manufacturing produces jet aircraft parts for Bombardier, Learjet, and Gulfstream. Some of their current customers include Spirit Aerosystems in Wichita, Spirit Aerosystems in Tulsa, Bombardier, Learjet, GKN Aerospace in Wellington, and Bombardier in Chicago.

Craig Mullins, general manager of the company, said the company is providing structural component parts to Spirit Aerosystems for the Boeing 737 at a rate of 47 airplanes per month as of yearend 2017. Boeing's production rate for the

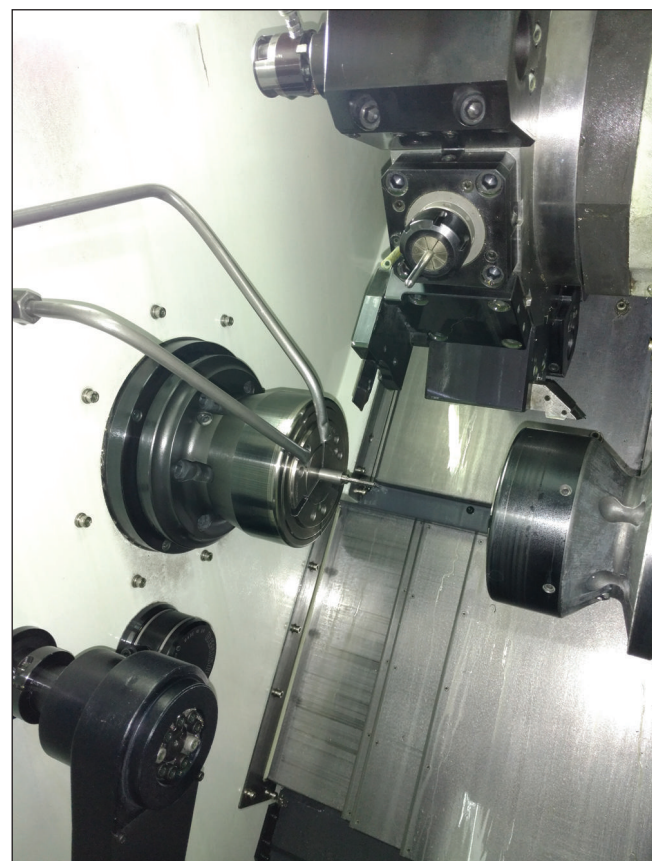
737 will continue to increase this year to a rate of 52 airplanes per month and a rate of 57 airplanes per month in 2019. Their other product lines have dropped off a little during 2016 but they did improve slightly in 2017. Boeing has developed two new products, the 777X and 737-Max. Lyons Manufacturing hopes to gain new business for these two products in the next two years.

The company has continued to grow their customer service and aftermarket parts manufacturing with building spare parts for Bombardier/Learjet. Mullins explained that recent closure of the Bombardier/Learjet facility in Wichita has not affected this program. Bombardier/Learjet is currently

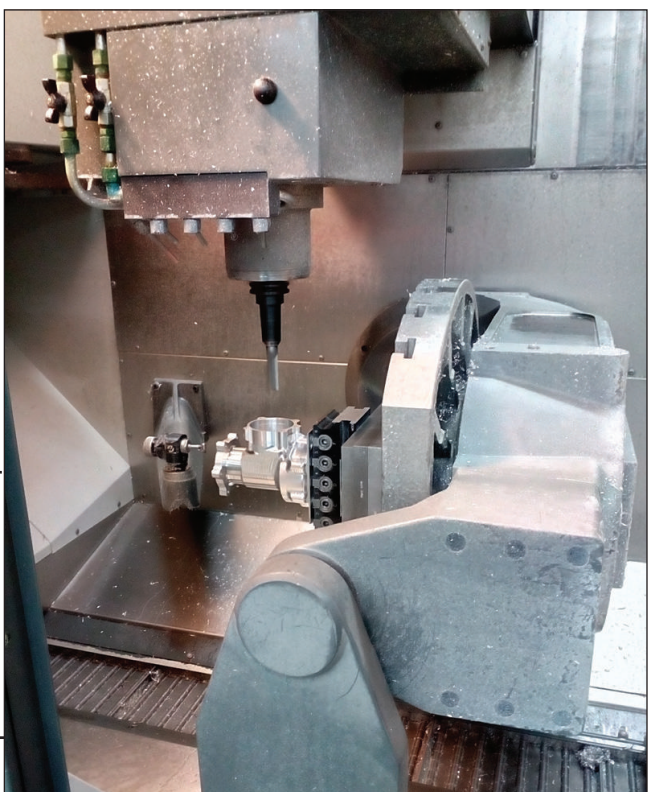
contracting Lyons Manufacturing to supply aftermarket parts over the next 5 years.

Lyons Manufacturing has also expanded into doing job shop work for companies or individuals that need a specialty item. Mullins said that customers who might need any kind of precision part manufactured can look to them. They have the ability to reverse engineer and manufacture parts that are no longer produced or available to buy. Manufacturing a one of or two of is not uncommon for the company.

Lyons Manufacturing Company employs up to 20 people and runs 10 hour shifts Monday through Thursday with Friday being their overtime day.



Lyons Manufacturing Hwacheon machine: CNC turning center machining titanium bolts for the Boeing 777 engine nacelle for Spirit Aerosystems in Wichita KS.




Lyons Manufacturing UMC750 Machine: CNC 5-Axis machining of a gear box housing for Curtiss Wright Flight Systems in Shelby NC.

**Mechanical Evaporation**

- Inject water into an underground salt deposit to create saturated brine
- Brine is thermally evaporated to form salt crystals
- The crystals are then washed to remove impurities, filtered and dried
- This high-purity salt is then processed into a variety of products sold through our consumer and industrial business
  - Animal nutrition
  - Culinary salt
  - Pool salt
  - Water conditioning

**CONTRACT MANUFACTURING & MACHINE SHOP**



**LYONS**  
*Manufacturing Co., Inc.*

**Founded in 1939**

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