

Ferrous Metal Processing Doubles Anneal Capacity, Continues Expansion of Toll CR Strip Conversion

Cleveland, Ohio—Ferrous Metal Processing (FMP) has announced the completion of the company's new hydrogen annealing expansion, effectively doubling the company's annealing output and further positioning Ferrous as a go-to supplier for toll cold rolled conversion services.

The expansion project included the installation of four new LOI high-efficiency 100% hydrogen annealing furnaces. The new furnaces feature state-of-the-art design and are operated via high-tech SIEMENS drives and controls. Material processed on these furnaces will have predictable, consistent quality and excellent smut-free surface. Ferrous has the ability to produce 80ksi cold rolled.

Ferrous Metal has evolved by expanding its traditional hot rolled processing to include full cold rolled sheet and strip conversion processes. The anneal expansion complements Ferrous' existing cold mill and pickling line and solidifies the company's reputation as one of the country's most capable toll processing and cold rolled conversion providers.

The four LOI units, which have a 212" stack height and can handle 72" coils, have the same output capacity as the facility's existing six Ebner units. With all units operating at capacity, Ferrous is capable of turning out 9,000 tons of annealed product per month.

One of the key markets that FMP serves from an anneal/cold roll standpoint is product destined for automotive use. By offering CR strip conversion on a toll basis, Ferrous offers a very real alternative to how strip can be produced and sold in the automotive marketplace. FMP is enabling anyone interested in supplying CR strip to do so without having to make the facility and equipment investment necessary to perform the conversion.

FMP CR conversion capabilities

- **Rolling Mill**
 - Have the most powerful reversing combination mill in the country
 - Four high combination reversing mill, with 3,000 tons of rolling force
 - Gauges from .015”-.250” x 60” coil capability
 - Rolling tolerance of +/- .00025”
 - Materials
 - Low Carbon • High Carbon (1001-1095) • HSLA (50-165 ksi) 4130, 4140, 6150, D6, D6A • Other Alloys • Advanced High Strength Steels (AHSS) • Martensitic Steel • Titanium • Aluminum • Stainless (Ferritic & Austenitic) • Galvanized • Others

- **Anneal**
 - 100% Ebner and LOI furnaces for consistent metallurgical properties and smut free surface
 - Types of Annealing:
 - CQ • DQ • Spheroidize • Stress Relief • High Temperature • Warm-up anneal to enable downstream processing • Other special cycles
 - Can process the full range of steel grades:
 - Materials
 - Low Carbon • High Carbon (1001-1095) • HSLA (50-165 ksi) 4130, 4140, 6150, D6, D6A • Other Alloys • Ferritic Stainless

- **Push/pull pickler**
 - 80,000 lb coils in widths up to 72”, gauges from .060”-.500”
 - All annealed product requires pickling
 - All CR product requires pickling

About FMP: A division of Ferragon Corporation, Ferrous Metal Processing is a fully equipped hot rolled toll processor and cold rolled converter. Established in 1983, the company has grown into the Midwest’s leading toll processor. The company is a one stop location for pickle, slit, level, cold roll, anneal and temper pass toll processing. On site, fully accredited metallurgical testing is available through FMP’s sister division, FMP Met Lab.