



**Need Annealing?**  
**Think Ferrous.**





# 100% hydrogen makes Ferrous hot spot for o

**F**errous Metal Processing is the only toll processor in North America with 100% hydrogen batch annealing capability. Combined with our other services such as pickling and cold rolling, Ferrous can alter the physical properties of your steel to help you sell more and turn inventory faster.

## Get a bigger slice of the pie.

We can give you custom engineered steel properties to match your selling opportunities and help you gain additional sales.



## Ebner. The kings of reliability.

Our Ebner furnaces are the cream of the crop in coil annealing. These high convection, 100% hydrogen batch furnaces feature state-of-the-art design, drives and controls for superior, repeatable results.



## All grades, all tempers.

Ferrous can provide any type of annealing you need to any of the various grades and types of ferrous metals.

### Material Type

- Low Carbon (HR & CR)
- High Carbon (HR & CR)
- HSLA
- Alloy
- Ferritic Stainless
- Ultra High Carbon
- Others

### Types of Annealing

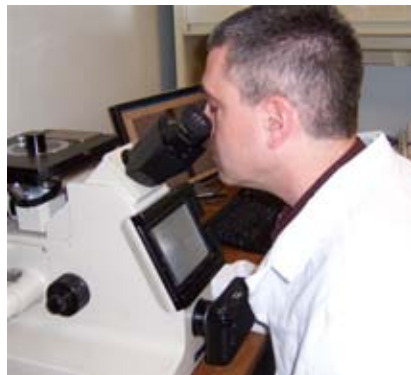
- CQ
- DQ
- Spheroidize
- Stress Relief
- High Temperature Anneal
- Warm up anneal to enable downstream processing
- Others



# Hydrogen batch annealing as Metal processing your one-stop toll processing.

## Custom cycles, predictable quality.

On-staff metallurgists and a fully staffed met lab enable us to customize anneal cycles to hit whatever properties you need. And deliver material with consistent metallurgical specs and clean, smut-free surface.



## Lab capabilities include:

- Tensile Testing
- Rockwell Hardness Testing
- Superficial Hardness Testing
- Bend Testing
- Metallographic Analysis
  - Grain Size
  - Inclusion Content
  - Depth of Decarburization
  - Degree of Spheroidization
  - Photomicrography

216-671-6161

[ferrousmetalprocessing.com](http://ferrousmetalprocessing.com)

## Waste less, profit more.

Need annealing...or any other toll processing? Think Ferrous. Nobody can offer you more services in one location. Or provide you with greater efficiency and cost savings.

- Hydrogen annealing
- Cold rolling
- Pickling
- Temper rolling
- Slitting
- Leveling/CTL



A Ferragone Company

**FERROUS**  
METAL PROCESSING CO.

# PROCESSING CAPABILITIES



Low Carbon, High Carbon, HSLA, Alloy, Ferritic Stainless, Others		Gauge	Width	Length	ID	OD	Max Weight	Condition
<b>Combination Reversing Mill</b>	Inbound	.017/.250"	24"- 60"	Coil	24" Only	36"-74"	72,000#	HR P&O and CR
	Outbound	.015/.250"	24"- 60"	Coil	24" Only	36"-74"	72,000#	Cold Reduced, Temper Rolled, Skin Pass

Low Carbon, High Carbon, HSLA, Alloy, Ferritic Stainless, Others		Gauge	Width	Length	ID	OD	Max Weight	Temperature
<b>Hydrogen Anneal</b>	Inbound	.015" Min	14" Min	Coil	24" Min	44"-72"	60,000#	Up to 1562° F (850° C)
	Outbound	.015" Min	14" Min	Coil	24" Min	44"-72"	60,000#	

Low Carbon, High Carbon, HSLA, Alloy, Ferritic Stainless, Others		Gauge	Width	Length	ID	OD	Max Weight	Condition
<b>Pickler</b>	Inbound	.060/.500"	24"- 72"	350' Min	20"- 32"	44"-76"	80,000#	HR
	Outbound	.060/.500"	72" Max up to .375" 60" Max up to .500" 48" Max up to .625"	Coil	24" Only	44"-76"	60,000#	Oil or Dry
<b>Heavy Gauge Slitter</b>	Inbound	.125/.700"	15"-76"	Coil	20"- 32"	36"- 80"	80,000#	HR or HR P&O
	Outbound	.125/.700"	3"-72"	Coil	24" or 28"	36"-76"	80,000#	✓
<b>Light Gauge Slitter</b>	Inbound	.060/.375"	15"-76"	Coil	20"- 32"	36"-76"	60,000#	HR or HR P&O
	Outbound	.060/.375"	3"-72"	Coil	20", 24" or 30"	36"-74"	60,000#	✓
<b>Heavy Gauge Leveler</b>	Inbound	.165/.565"	24"- 96"	Coil	20"- 32"	36"-74"	80,000#	HR or HR P&O
	Outbound	.165/.565"	24"- 96"	60"- 480"	N/A	N/A	40,000# Bundle	Other Lengths by Inquiry
<b>Light Gauge Leveler</b>	Inbound	.060/.250"	24"-74"	Coil	20"- 32"	36"-74"	80,000#	HR or HR P&O
	Outbound	.060/.250"	24"-74"	60"- 360"	N/A	N/A	40,000# Bundle	Other Lengths by Inquiry
<b>Narrow Width Leveler</b>	Inbound	.125/.500"	6"-24"	Coil	24" or 28"	30"-72"	20,000#	HR or HR P&O
	Outbound	.125/.500"	6"-24"	60"- 480"	N/A	N/A	20,000# Bundle	Other Lengths by Inquiry