When you can have the acknowledged industry leader, why would you want a second-best supplier who should be a-kneeling to our annealing superiority?

There is only one leader in Cold Heading Quality Rod & Wire. Republic Steel Wire Processing serves OEM and replacement markets. We are an ISO 9001:2008 certified manufacturer and supplier of carbon and alloy rod and wire for a diverse customer base that includes the fastener, automotive, hand tools, appliance, off-road heavy equipment, construction, and other industries.

With our Midwest manufacturing location in Solon, Ohio, we can provide atmosphere annealing, sulfuric acid pickling, and wire drawing to suit your needs — along with stocking programs for just-in-time and short-lead-time delivery.

Our cleaning and coating facilities employ state-of-the art sulfuric acid pickling technology for high productivity with uniform coating characteristics (for lime, borax, zinc phosphate with polymer and zinc phosphate with reactive lube) and minimal statistical variability on the finished product.

Continuous atmospheric annealing furnaces provide uniform product to achieve higher levels of productivity.

With Republic hot rolled rod ranging from 0.297” to 1.750”, we can produce drawn wire from 0.080” through 1.718”.

Contact your Republic Steel Wire Processing sales rep today.

440.996.0740 www.RepublicSteel.com
COLD HEADING QUALITY ROD & WIRE

ROD DIAMETERS
Rounds 0.297” to 1.750”

ROD PROCESSING
Clean & Coated Rod — Sulfuric Acid Pickling followed by one of the following coatings:
- Lime
- Borax
- Zinc Phosphate with Polymer
- Zinc Phosphate and Reactive Lube

THERMAL TREATMENT
- Spheroidize Anneal
- LP Anneal

FINISHED WIRE DIAMETERS
0.080” to 1.718”

WIRE PROCESSING
DD Wire (Direct Drawn Wire)
- Clean & Coat ➔ Draw
DFAR (Drawn from Annealed Rod)
- Clean & Coat ➔ Spheroidize Anneal ➔ Clean & Coat ➔ Draw
SAFS (Spheroidize Annealed at Final Size)
- Clean & Coat ➔ Draw ➔ Spheroidize Anneal ➔ Clean & Coat
SAIP (Spheroidize Annealed in Process)
- Clean & Coat ➔ Draw ➔ Spheroidize Anneal ➔ Clean & Coat ➔ Draw
DA/SAFS (Double Anneal SAFS)
- Clean & Coat ➔ Spheroidize Anneal ➔ Clean & Coat ➔ Draw ➔ Spheroidize Anneal ➔ Clean & Coat
DA/SAIP (Double Anneal SAIP)
- Clean & Coat ➔ Spheroidize Anneal ➔ Clean & Coat ➔ Draw ➔ Spheroidize Anneal ➔ Clean & Coat ➔ Draw

COIL WEIGHTS
Up to 6,000 lbs.

ALLOY GRADES*
- Manganese 15xx
- Moly 40xx, 40Bxx
- Chrome-Moly 41xx, 41Lxx
- Nickel-Moly 46xx
- Chromium 50xx, 51xx, 52100, 52L100
- Chrome-Vanadium 6150
- Nickel-Chrome-Moly 45xx, 47xx, 81xx, 86xx, 87xx, 93xx, 94Bxx

CARBON GRADES*
- 1008-1095 | 1117-1151 | 10Bxx | 1215 | 12L14 | 15xx, 15Bxx

QUALITIES*
- Aircraft/Bearing/Cold Heading/Cold Working & Forming/Microalloy
* Since we melt our own steels, tailor-made chemistries are available upon request, including DIN & JIS specs.

CERTIFICATIONS
ISO 9001:2008
Republic Steel Wire Processing
31000 Solon Road
Solon, Ohio 44139
440.996.0740  www.RepublicSteel.com