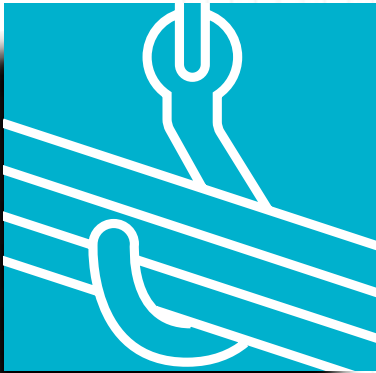




*Bringing Solutions
to the Surface...
for the*

Steel Industry



Praxair Leads With Experience and Solutions For the Steel Industry

As the world leader for over 45 years in wear-resistant coatings and services, Praxair Surface Technologies, Inc. specializes in providing solutions for critical roll problems in the Steel Processing Industry. With unmatched credentials Praxair has pioneered and leads the way in surface wear protection.

Praxair's worldwide plants are specially equipped to handle rolls used in the Steel Industry and provide a complete range of advanced coating chemistries by many different systems.

SUPER D-GUN™
D-GUN™
HVOF
PLASMA

LASER CLADDING
TRIBOMET®
CVD
PVD

Our proprietary coatings help improve product quality and provide cost effective solutions for pick up, abrasive wear, profile loss, roughness loss, tracking and other wear related problems due to hostile operating conditions inherent in steel processing.

Continuous improvement is an integral part of our manufacturing strategy and is maintained through our extensive R & D facilities, backed up by experienced materials and equipment specialists.

Praxair Surface Technologies Field Specialists are readily available for consultation and will examine the details of your application for the most cost effective solution.



Super D-Gun™ coating of a roll

Steel Industry Applications

Cold Reduction Mills

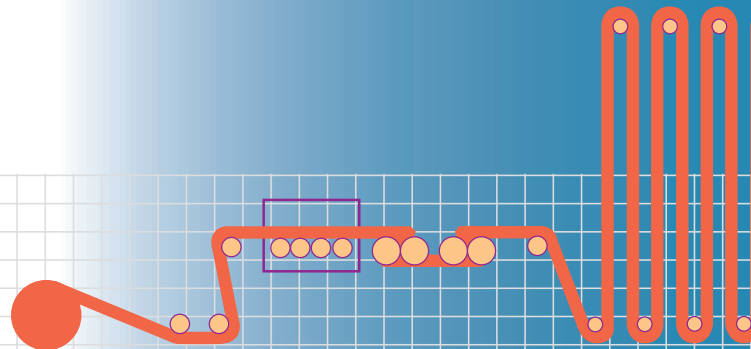
- Bridle rolls
- Deflector rolls
- Mandrels (entry & exit)
- Tensiometer rolls

CGL / CAL / EGL / ETL

- Furnace rolls
- Pot rolls
- Tower rolls
- Process rolls
- ETL Conductor rolls
- EGL Conductor rolls

Finishing Lines

- Bridle rolls
- Flattening rolls
- Leveler rolls
- Mandrels (entry & exit)



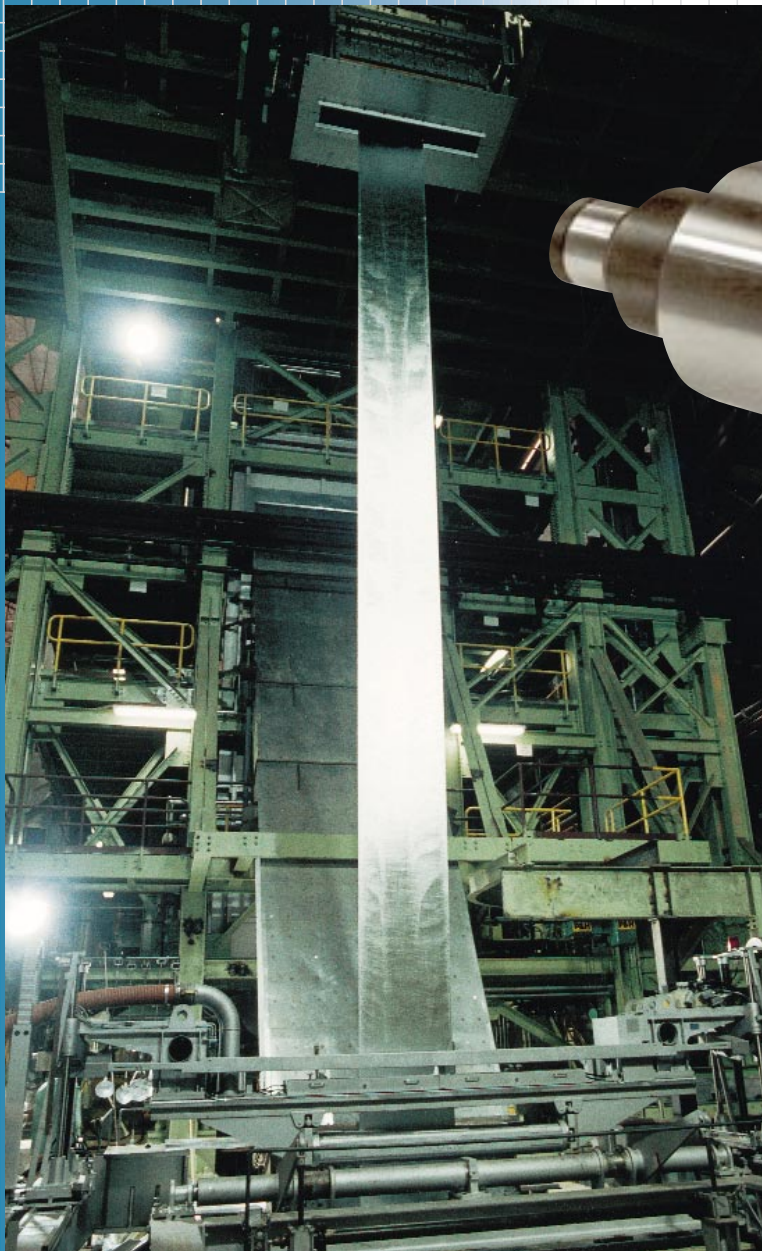
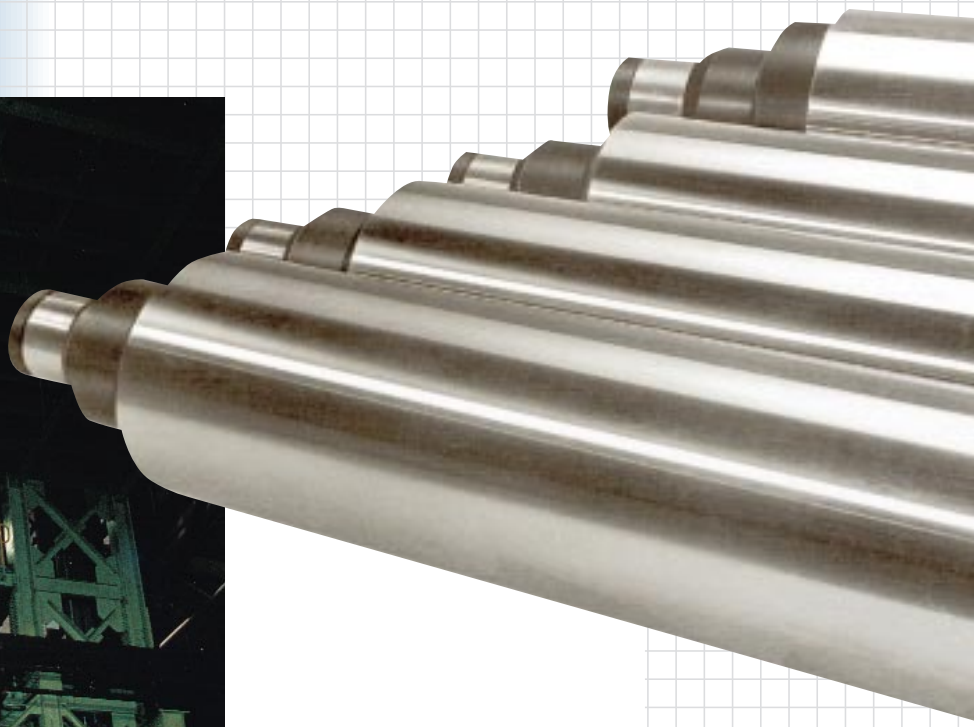


Photo: Courtesy of Bethlehem Steel



How Praxair Surface Technologies Can Benefit You

- Surface Solutions for Critical Rolls
- Rapid Turnaround
- Strip and Recoat Used Rolls
- 27 Plants Worldwide Provide Technical Support, Consultation, Sales and Service

Tower Rolls

Process Rolls

Furnace Rolls

Pot Rolls



PRAXAIR

SURFACE TECHNOLOGIES

For more information on these and other Steel related applications, call: 1-800-822-7284 or contact one of these plant locations.

United States

3225 Honeybee Lane
New Castle, PA 16105
Tel (724) 598-1300
FAX (724) 656-1745

4101 W. 124th Place
Alsip, IL 60803-1809
Tel (708) 239-7100
FAX (708) 239-7149

9200 Telephone Road
Houston, TX 77075
Tel (713) 991-8700
FAX (713) 991-8707

8501 Old Statesville Road
Charlotte, NC 28269
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Fax: (704) 921-5425

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CEP83324-010
Pinhais, PR

Brazil
Phone: 55.41.668.2211
Fax: 55.41.668.2550

Japan

Kozuki Plant
Phone: 81.790.88.0564
Fax: 81.790.88.0548

Okegawa Plant
Phone: 81.485.91.0731
Fax: 81.485.92.3441

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Swindon, Wiltshire SN3 3HX
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