



## Corona Rolls Engraving Technology.

Praxair Surface Technologies' ceramic roll covers provide the best corona treatment available today to printers and plastic extruders around the world. The durability of Praxair's proprietary thermal spray ceramic roll cover makes it the preferred product for OEM corona treaters and many end users.

As the industry leader in corona rolls we have over half a century of experience providing answers for the critical wear problems in the plastics industry, as well as over 20 years experience with the flexographic printing industry. We pride ourselves in working with customers to analyze wear and corrosion problems, develop unique engineered solutions, and provide reliable service and technical support. Our goal is to help you improve productivity, quality, and profitability.



### Durability

Praxair's ceramic roll covers easily repel minor scratches, dings, and dents, making them more durable than covers made of other materials. The wear resistance of Praxair's

ceramic roll is measured in surface hardness of 1,000 Hv and has the added benefit of corrosion resistance. The measure of bond strength is a minimum 6,500-psi, making it more wear resistant to everyday use and capable of lasting for years.

### Technology Leaders

Praxair uses its exclusive proprietary thermal spray plasma system to provide the most consistent ceramic covers available on the market today. These protective coatings have important applications in most industries – ranging from printing and plastics to aviation, automotive, chemical, power generation, oil and gas, primary metals, and textiles.

### Service

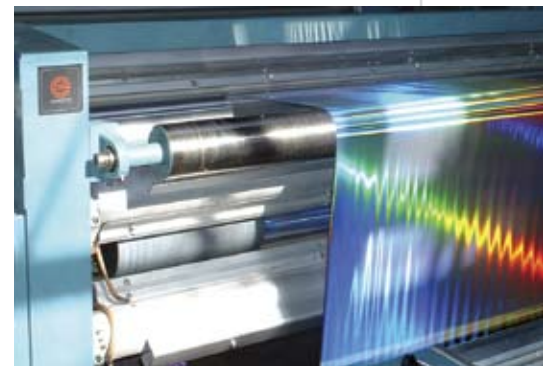
In addition to providing the highest quality ceramic covering available, Praxair's technical sales engineers will visit your site and evaluate the best ceramic covering for your specific needs. After-sales service is also part of our continued service offering.

Praxair offers two different ceramic roll coverings. Our exclusive proprietary plasma LA-6 and LA-29 ceramic coverings are matched to your OEM treater equipment to maximize performance.

### Consistency

You can count on Praxair ceramic covers to remain stable over the entire life of the roll. This strength

improves your product consistency day in and day out, year after year, and eliminates adjustments of your corona treater to compensate for required changes.



Praxair ceramic covers are easier to clean and can withstand more aggressive cleaning than other covers, thereby increasing your machines' production capability.

By grinding to meet OEM specifications, each Praxair ceramic cover prevents damage to your substrate. The grinding operation also ensures that the rolls meet OEM specifications for total indicator runout (TIR) so that the rolls run true and without machine vibration. The uniform, homogenous ceramic cover also provides consistent heat dispersion for web consistency from side to side and end to end.

## Safety

Frequent roll handling can increase safety hazards such as back injuries and pinched fingers. Praxair's long-lasting ceramic covers extend the life of the roll and reduce the number of times it has to be removed and sent out for repairs. Less handling means fewer potential injuries.



## Flame Treater Rolls, too!

The same benefits of corona rolls are available in Praxair's ceramic covers for flame treaters.

## How to Get Started. Contact Us Today.

Ask a Praxair printing specialist to recommend the best engraving for your application.

Call +1 704 921 5400 or  
send us an e-mail at  
[psti-info@praxair.com](mailto:psti-info@praxair.com)

[www.praxair.com/printing](http://www.praxair.com/printing)

## Building Value

Our goal is not only to meet your expectations but also to exceed them with empowered teamwork and continuous process improvement.

We are dedicated to building value through management techniques such as Six Sigma and Lean initiatives.

Industrial coatings today are high-tech solutions that Praxair Surface Technologies matches with high-tech research and development. At our global headquarters in Indianapolis, Indiana, USA. and at other Praxair laboratories around the world, our experienced scientists, engineers, and technicians are committed to providing the most advanced solutions to your coating needs.

Other Praxair wear and corrosion solutions for the plastics and printing industries include:

- Chill rolls
- Calendar rolls
- Flame treater rolls
- Extruder dies
- Feedscrews for extrusion and die making
- Regrind knives
- Ultrasonic horns
- Slitter blades
- Laser-engraved ceramic anilox rolls
- BTG DUROBLADE® ceramic-tipped doctor blades

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