



Reverse Engraving Technology

ART™ and TIF™ Engravings

Praxair has been leading the way in technical innovation since introducing its first laser-engraved ceramic anilox roll more than 30 years ago. We also led the open-structure engraving breakthrough with the introduction of our reverse technology engravings more than 15 years ago.

Printing requirements are more demanding now than ever. Putting our years of experience to work, Praxair developed the ART™ (Anilox Reverse Technologies) and TIF™ (Thin Ink Film) engraving lines.

Smooth Coverage, Yet Unbelievable Volumes

ART and TIF engravings feature a distinctive appearance due to their unusual cell configuration. The raised “post” between the cells supports your doctor blade while the smooth finished engraved surface provides a superior surface for ink or coating laydown. These two features provide exceptional uniformity of coverage virtually eliminating pinholing and possibly the need for a double bump.






Do you need to produce thick, yet smooth laydowns of adhesives, varnishes, metallics, or high solids content coatings? An ART engraving can help improve and optimize your printed or coated product.

Clean Up Is a Snap

As an added benefit, ART and TIF engravings offer improved clean-up processes as there are no deep cell bottoms to trap inks, coatings, or adhesives. The unique cell structure and smooth engraving surface provides fast and simple clean-up.

Advantages

- Exceptional smooth solids coverage, improved gloss and less pinholing
- Optimized ink films and coatings
- Innovative engravings for combination graphics
- Fast and simple clean-up for improved productivity
- Improved release and performance with high-viscosity material

ART45	Designed for the flexo printing, offset coating, gravure, and laminating markets. Great for laying down adhesives, metallics, water-based and UV coatings, as well as heavy black and white inks.	
ART60	Evolution of ART45 for material with low viscosity, the different engraving angle create post more tightly together, allowing 15% more posts in a given area	
ART Gold	Digital Engraving designed for demanding coating, specialty materials, varnish applications as well in flexography for high opacity white ink	
TIF	Designed for high-gloss-value UV varnish applications and for high-volume coating applications. Optimum laydown characteristics of high-solids-content conductive silver inks.	
TIF Gold	Digital Engraving for lamination markets, high-volume coating and adhesives applications. The helical groove creates a pattern upon which the doctor blade can ride and helps to maintain the flow.	

How to Get Started. Contact Us Today.

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

Call the nearest location or email psti-info@praxair.com. Or visit www.praxair.com/printing to learn more.

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