



**DAYTON  
COATING  
TECHNOLOGIES**



**The Fastest Delivery in the Industry**



**DCT Provides Vacuum Hard Coatings for Tool and Die, Medical,  
Aerospace, Electronics, and Automotive Industries.**

**[www.webdct.com](http://www.webdct.com) • 937.278.2060**

# We Hard Coat Parts To Maximize Performance & Life

Give Us a Try . . .

You Will Be a Customer for Life

- Fastest turnaround in the industry.
- We treat your precision parts carefully, no damage.
- Professional experienced technicians guarantee consistent results of the highest quality.
- DCT coatings maximize the performance of precision details and tooling.



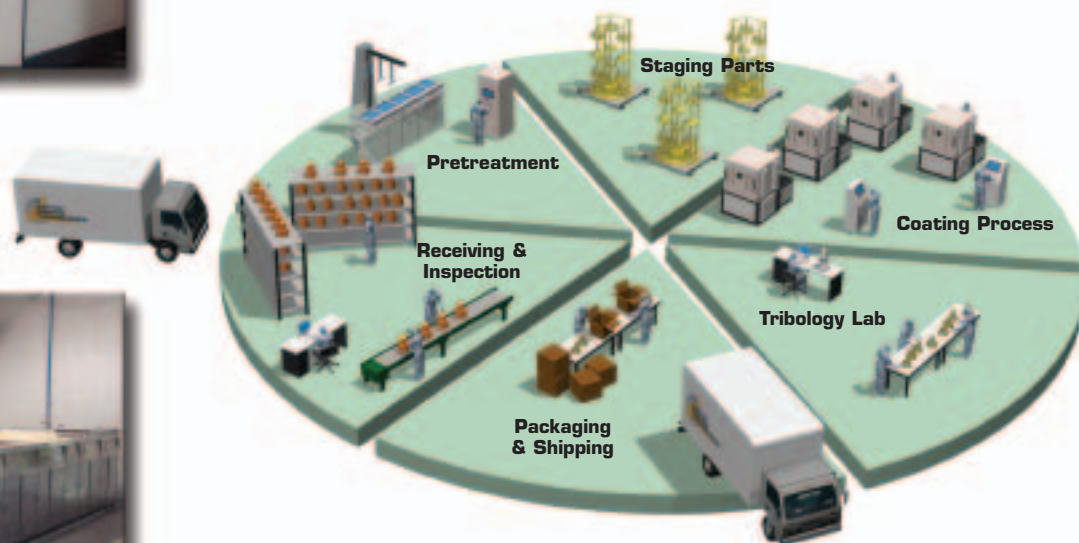
George Korenyi-Both, owner



## DCT Gives You the Ultimate in Service

- Pick-up and delivery, 24 hour and weekend schedules.
- Free test coating, engineering support and laboratory analysis to assist you in saving time and money.

## Here's How It Works . . .



*We listen and we care . . . your success is our success.*



Edge Prep™ -  
A DCT specialty area.

## Edge Prep™ Services Now Available from DCT

- We can help you surface prep parts before and after our PVD coating to increase performance and eliminate costly secondary operations.
- You will be amazed at how the “right” surface preparation can increase your ability to retain and win new business.
- If it wears out, DCT can help you develop a cost effective process to make parts last up to 10X longer!



## Coating Data: DCT Can Provide 157 Different Coatings

Coating	Coating Temp. (F)	Material System	Typical Thickness (μ)	Microhardness (HV)	Breakdown Temp. (F°)	Friction Coefficient
PVD TiN	850°	Mono-layer Multi-layer Nano-layer	3-5	2,300	1,100	0.40
PVD TiCN	900°	Mono-layer Multi-layer Nano-layer	2-3	2,900	800	0.30
PVD CrN	900°	Mono-layer Multi-layer Nano-layer	3-8	1,800	1,300	0.45
PVD TiAlN	900°	Mono-layer Multi-layer Nano-layer	2-5	3,000	1,650	0.35



- **TiN** (Titanium Nitride)
- **TiCN** (Titanium Carbo-Nitride)
- **CrN** (Chromium Nitride)
- **TiAlN** (Titanium Aluminum Nitride)
- **AlTiN** (Aluminum Titanium Nitride)
- **ZrN** (Zirconium Nitride)
- **AlCrN** (Aluminum Chromium Nitride)

### All PVD Coatings Are Not Created Equal

- Some look similar but DCT delivers the finest adhesion.
- Our unique process makes precision parts perform better and last up to 10X longer than uncoated parts.
- Guaranteed results – and the fastest delivery in the industry.
- **Coated parts in as little as 24 hours.**



If you have a tooling problem or an excessive wear issue – give us a call. We solve problems by using a team approach. We are available to visit your facility and offer proven solutions.

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