



# CDOT 2D AI Code

Where 2D codes Cannot Go, Tracking Trillions of Industrial Parts

## About CDOT AI Code

CDOT is an AI-Powered, industrial-grade 2D code designed for the toughest environments, ensuring unmatched durability and data integrity in real time.

CDOT provides real-time visibility across all production stages, ensuring precise quality control and operational efficiency.

**Direct benefits for clients: reduces production downtime, prevents production errors early, lowers scrap rates, and maximizes quality precision.**

## Core Technology Patent



UNITED STATES  
PATENT AND  
TRADEMARK  
OFFICE

PRIORITY NUMBER  
US202217704013

## CDOT AI Code Features

- Size vs. Capacity
- Shape
- **Occlusion Resilience**
- **Hot Surface Durability**
- Stretch Tolerance
- **Coating/Painting Durability**
- **Heat Treatment Resistance**
- Sandblasting Resistance
- Small-Space Compatibility

Holds 192 bits / 32 alphanumeric characters for a 5mm<sup>2</sup> code  
Flexible; square, rectangular, logo, or freeform

**Decodable at 90% blockage**

**Withstands surface temperatures up to 700°C / 1292°F**

Withstands stretching up to 3 times its original size

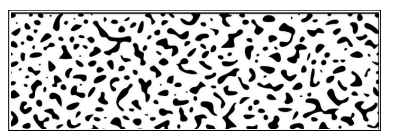
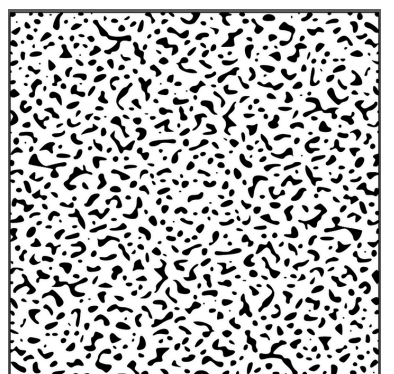
**Withstands coating or painting up to 700µm**

**Withstands heating and furnacing up to 700°C / 1292°F**

Between 50µm and 100µm (based on laser marker wattage)

Yes

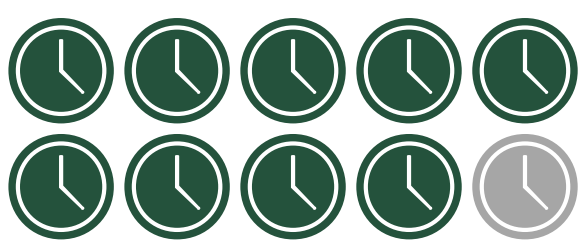
CDOT AI Code



CDOT AI Code

## Quick Setup and Minimal Maintenance

### Installation Speed



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Integrates with existing systems with no workflow changes required.

### Maintenance

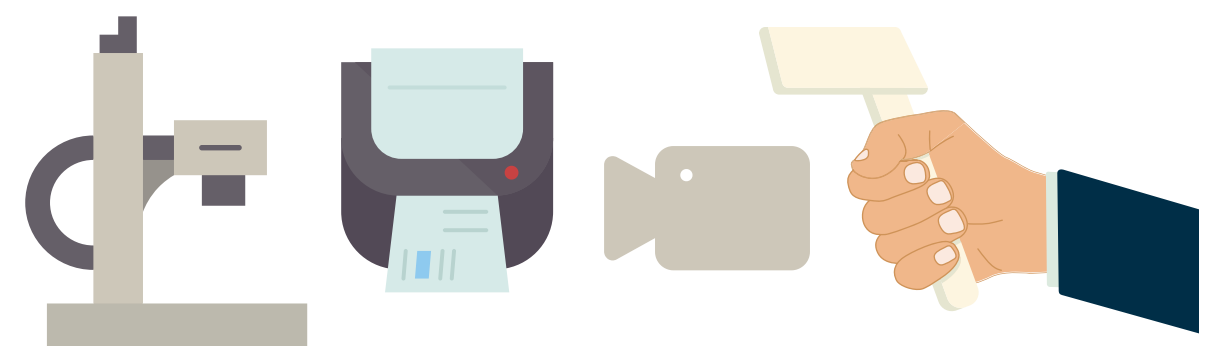


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Resilient design requires minimal upkeep, even in abrasive environments.

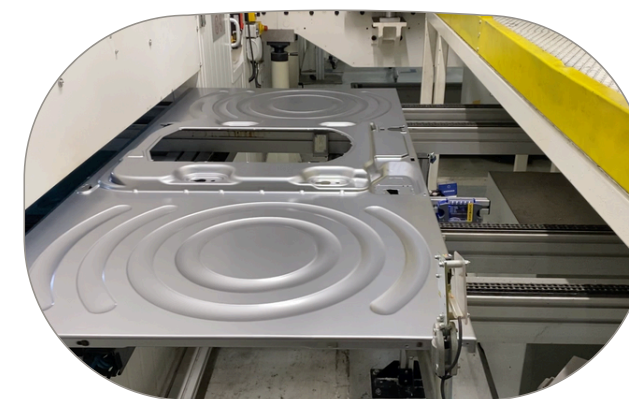
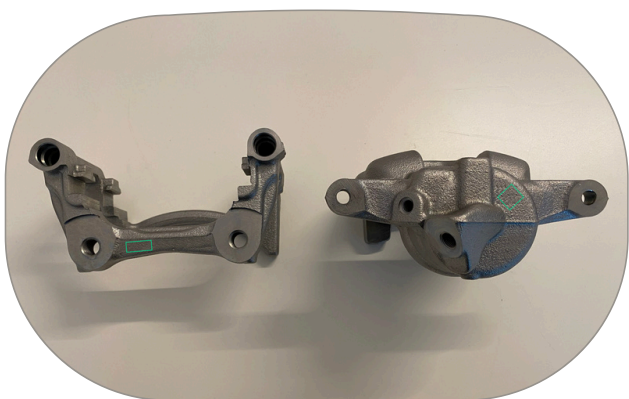
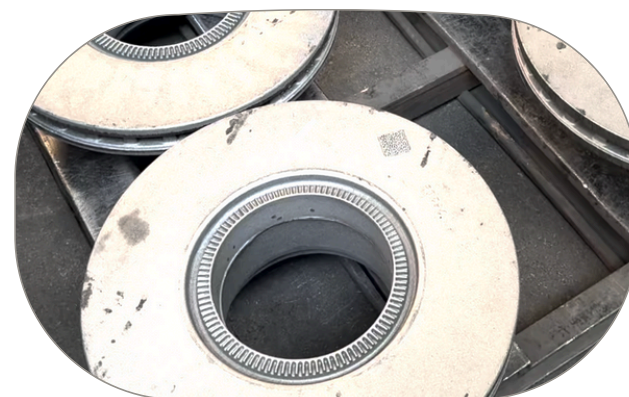
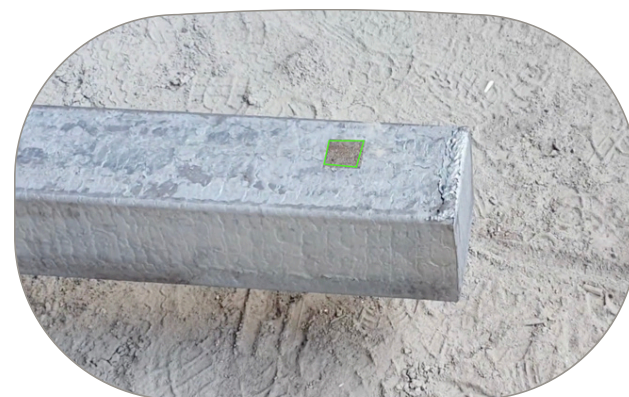
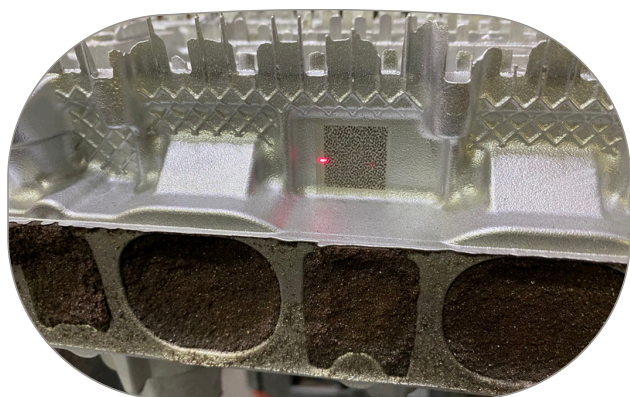
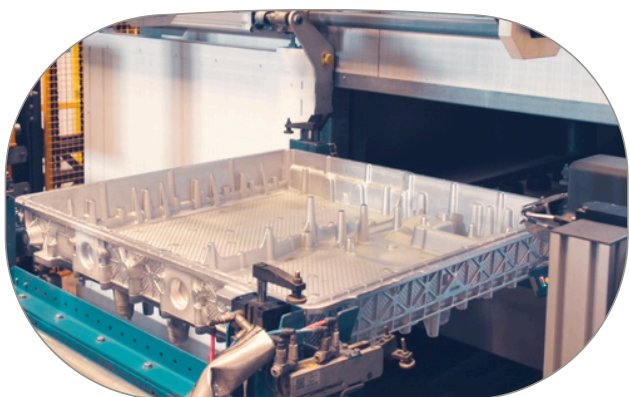
## Universal Compatibility

### All markers and readers



Works seamlessly with existing laser markers and industrial cameras. No extra equipment needed.

## Trusted By Biggest Enterprises



## GET IN TOUCH



[www.thecosmodot.com](http://www.thecosmodot.com)



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