



MAKE THE PERFECT MARK

RELIABILITY. PARTNERSHIP. SIMPLICITY.

An ITW Company

# MAKING IT EASY FOR MANUFACTURERS TO MAKE THE PERFECT MARK SINCE 1893

## SIMPLIFYING MARKING & CODING FOR OUR CUSTOMERS

For over a century, Diagraph Marking & Coding has been providing product identification solutions that make it easy for manufacturers to make the perfect mark – print after print after print – from technology pairing to comprehensive service support and beyond. With the 1893 invention of the revolutionary stencil cutting machine all the way to today’s high speed inkjet coders and all-electric automated labelers, Diagraph focuses on partnering with customers in every aspect of their coding and labeling operations – providing a holistic approach that maximizes efficiencies for customers and drives tangible value throughout a long-term partnership.

Acquired by Illinois Tool Works in 2001, Diagraph has the backing and financial resources of a multi-billion-dollar organization. As a global and decentralized enterprise, Diagraph leverages the standing of ITW to access challenging opportunities in high-growth, diverse manufacturing industries and markets around the world.

Diagraph is the longest established business in the product identification industry.

## PARTNERING TO SERVE GLOBAL MARKETS

Today Diagraph works with manufacturers of all sizes across the world to fulfill product traceability needs that easily scale up for future capacity and complexity. Diagraph manufactures marking and coding technologies that span the entire packaging line – from primary products to secondary packaging to pallet level labeling.

Customers can choose to work directly with Diagraph’s sales and service teams or benefit from the local service and support provided by authorized distributors that are a part of the Diagraph Global Partner Network.

**DIRECT SALES & SERVICE**  
United States  
Mexico  
United Kingdom  
Germany  
Malaysia

**DISTRIBUTION COVERAGE**  
North America  
LatAm  
EMEA  
AsiaPac

### MAP LEGEND

- REGIONAL OFFICES
- DISTRIBUTION
- DIRECT SALES & SERVICE
- DIRECT & DISTRIBUTION



## A HISTORY OF RELIABILITY THROUGH INNOVATION

### MANUAL MARKING

**1893** The Bradley Stencil Machine, the first stencil cutting machine, was invented and the Bradley Stencil Machine Company was established

**1902** Bradley Stencil Machine Company engineer Stephen Hartog makes an improvement on the original machine resulting in the circular stencil cutting machine – the Diagraph

**1904** The Bradley Stencil Machine received the Gold Medal Award at the Louisiana Purchase Exposition (St. Louis World’s Fair) for its revolutionary impact on product marking

**1915** Diagraph was the first stencil machine manufacturer to sell an expanded product line: machines, ink, paper, and brushes

**1944** Diagraph-Bradley establishes distributorships in international markets, focusing first on Central and South America then growing into Asia and Europe

### AUTOMATED MARKING

**1969** World’s first roll coder – the DiCoder

**1986** World’s first integrated valve jet technology

**1990** World’s first high resolution piezoelectric print engine – Trident Technology

**1996** World’s first centralized ink delivery system design for high resolution inkjet

**1997** World’s first multi-lane thermal transfer overprinter

**2001** Diagraph joins the ITW family of companies

**2002** World’s first automated cleaning system for high resolution inkjet technology

**2004** World’s largest format thermal transfer overprinter – Allen Technology

**2008** World’s first all-electric automated labeling system platform

**2008** World’s first industrial-grade thermal inkjet technology

**2015** World’s fastest piezoelectric printhead

1800

1900

2000



## DIAGRAPH SOLUTION CENTER

WE'RE THE MARKING & CODING EXPERTS SO YOU DON'T HAVE TO BE

Diagraph offers a full portfolio of coding and labeling solutions designed to be reliable, repeatable, and easy to use. These solutions are powerful alone – but overdrive operational efficiencies when used together in combination with our comprehensive services that extend well beyond implementation.

### SOLUTION MATCHING

*Get a full review of your coding and labeling operations from our product identification experts.*

Manufacturers are constantly being squeezed to produce more products with fewer people at lower costs. Complete a site audit with one of our coding and labeling experts local to your area to pinpoint opportunities where slight changes in your coding operations can provide the following benefits, and more:

- Increase your production throughput
- Minimize your workers' needs for equipment interventions
- Reduce marking mistakes and product scrappage
- Ensure proper code adhesion

### DIAGRAPH UPTIME ADVANTAGE

*We design every product to deliver more uptime with minimal intervention requirements.*

We believe that our coding and labeling solutions should be the least of your worries. This is why we design products to make high quality marks – print after print after print. Diagraph solutions are built to withstand the toughest of manufacturing environments which means more uptime and fewer needs to touch the equipment.

Our product portfolio is built around the principles of reliability and ease-of-use so that you can spend more time focusing on your own manufactured product:



### INKJET CODING

Inkjet technologies code on the widest range of substrates from glass jars to cardboard cartons to gypsum boards. Diagraph will help you formulate the ideal solution for your inkjet application specifications, choosing from entry-level thermal inkjet, high-speed continuous inkjet, or high-resolution, large format printing with large character inkjet.

- Durable marks on a variety of porous and non-porous substrates
- Maximum ease-of-use with low-maintenance printheads and user-friendly message creation and selection
- Wide range of available inks include general purpose black inks, pigment-based inks and specialty inks including food grade, fast drying and thermochromic inks

### LABELING

Our all-electric automated labelers are designed with servo-controlled label dispensing technology and smart sensing controls to achieve precise label placement at high speeds.

- All-electric design frees manufacturers from the inconsistencies and high costs of plant air
- Choose from print and apply or direct label application of varying label sizes
- Servo-driven actuators react in real-time to feedback from smart sensors to guarantee one-to-one label-to-product matching



# DIAGRAPH



## THERMAL TRANSFER PRINTING

Diagraph's thermal transfer printers are ideal for variable or serialized coding on web and foil material commonly found in the food, beverage, consumer packaged goods, and pharmaceutical industries.

- Maximum flexibility with a wide variety of print heights all the way up to 8"
- High resolution web and foil printing
- Seamless integration with form, fill and seal machines

## LASER CODING

Laser coding offers an eco-friendly and consumable-free option to create permanent traceability codes for high-end product applications.

- Ideal for glass, plastics, paper, metal and rubber materials
- Permanent marks for track-and-trace and anti-counterfeit measures



• Electronics & Components • Building Products • Light Industrial • Wire & Cable

## ON-TIME DELIVERY

*Get what you need to support your coding and labeling operations, when you need it.*

Not having what you need for your coding and labeling equipment when you need it can put a halt to production. Our dedicated account managers have perfected anticipating your needs based on your run-rates, age of equipment, and the timing of your last order to customize an on-time delivery program including inks, ribbons, parts, and service support just for you.

Opt-in to our annual services and not only free yourself from the hassle and complexity but save money with a predictability discount.

## PREDICTABLE SERVICE SUPPORT

*Choose your preferred level of support from DIY to never lift a finger.*

Service interventions should always be planned, never a surprise. Getting out ahead of wear-caused failures puts you in the driver's seat of deciding when service will be done around your own production schedule.

Whether you want your in-house fleet to be self-sufficient or you'd like peace-of-mind full coverage, we have a service plan option for your unique needs:

- On-demand break-fix service calls
- Preventive maintenance programs
- Premier full coverage service plans

Our service and technical support is never more than a call or click away.



## DIRECT SALES & SERVICE LOCATIONS

### **CORPORATE HEADQUARTERS MISSOURI, USA**

1 Research Park Drive  
St. Charles, MO 63304-5685  
1.800.722.1125 | [Diagraph.com](http://Diagraph.com)

### **ILLINOIS, USA**

5307 Meadowland Parkway  
Marion, IL 62959-5893  
1.800.521.3047 | [DiagraphMSP.com](http://DiagraphMSP.com)

### **MEXICO**

52.55.5321.3190 | [Diagraph.com.mx](http://Diagraph.com.mx)

### **MALAYSIA**

60.3.56341990 | [Diagraph.com.my](http://Diagraph.com.my)

### **GERMANY**

49.0931.250760 | [Diagraph.com/Europe](http://Diagraph.com/Europe)

### **UNITED KINGDOM**

44.1438.347.770 | [Diagraph.com/Europe](http://Diagraph.com/Europe)

## DISTRIBUTION COVERAGE

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LatAm  
EMEA  
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