





Product Marking in a *FLASH...*

In the fast paced world of automation, it can be a headache trying to find the best way to mark identification and traceability information on your parts or packaging. Dixon Engineering and Sales Company represents two companies who can offer you solutions to these issues.

GRAVOTECH / TECHNIFOR



Gravotech designs, manufactures, and distributes innovative solutions for engraving, marking, and cutting. They are the leader in permanent marking and engraving solutions. They are the only marking company to pioneer and master all these types of marking: laser, rotary engraving, scribing, and dot peen. They will have the solution to any of your product marking needs.

LASER MARKING:

	
<p style="text-align: center;"><u>FIBER LASER</u></p>	<p style="text-align: center;"><u>CO2 LASER</u></p>
<ul style="list-style-type: none"> • Powerful & high-quality industrial laser engraver performs precise, rapid markings. • This deep laser machine is available in several powers: 20W, 30W & 50W. • Simple to use, affordable and precise for marking metal & plastic. 	<ul style="list-style-type: none"> • The CO2 integrated laser marker is perfectly suited for marking organic materials. • The integrated laser operates without contact and has low maintenance. • Vision Manager - one solution for marking & reading.
	
<p style="text-align: center;"><u>GREEN LASER</u></p>	<p style="text-align: center;"><u>HYBRID LASER</u></p>
<ul style="list-style-type: none"> • GREEN laser marker is designed for complex & cold laser marking on materials not reactive to other wavelengths. • The GREEN laser has a small spot diameter that offers unsurpassed micro marking quality and accuracy on a variety of materials. 	<ul style="list-style-type: none"> • The 1064 nm HYBRID laser marker is perfect for applications requiring great versatility at the highest speed - from metal to plastic. • Integrable laser marker that is the best compromise between versatility, high quality and high speed to meet all your marking needs.




DOT PEEN & SCRIBE MARKING:

Gravotech offers a wide range of easily integrated dot peen engravers and scribing machines for direct part marking (DPM) of your industrial parts. Marking by dot peen and scribing offers permanent, tamper-proof marking. All of their marking systems are designed to be integrated into any production process, to directly mark all metallic and plastic parts, whatever the shape or surface finish. Dot peen and scribing marking systems offer permanent, legible and deep marking on metals and plastics at a low purchase cost and high return on investment.

	<p>DOT PEEN MARKERS:</p> <ul style="list-style-type: none"> Dot peen markers are available as pneumatic or electromagnetic Gravotech offers four different models to meet your needs Pneumatic dot peen marking machines are best for marking applications requiring a very short cycle time to meet the speed requirements of industrial sectors Electromagnetic dot peen marking machines are more suitable for applications that need high-precision and consistency, such as Data matrix marking and Part identification
	<p>SCRIBING MARKERS:</p> <ul style="list-style-type: none"> Scribing machines use a carbide or diamond tip to apply a permanent marking directly to the material, from plastic to the hardest steels (up to 62HRC). Unlike dot peen, the tip does not vibrate but slides along the surface, thus creating a continuous groove which is very clear and aesthetic. This process is very quiet and particularly useful for marking hollow parts with high resonance, tubes, and sheets. Gravotech offers two models of scribers

HSAUSA

HSAUSA carries a complete line of low-maintenance inkjet printers that are high-end, fully integrated with product handling and marking solutions with print and barcode verification. All of their printing solutions come with a user-friendly Windows-based software package. Their inkjet printers are specifically designed to meet the packaging and mailing requirements of the pharmaceutical, cosmetic and food industries.

<p>Ink Jet Marking</p> 	<ul style="list-style-type: none"> HSAUSA offers a wide variety of HP thermal industrial ink jet printing solutions. HSAUSA also offers Piezo Ink Jet Printers. Systems are designed to print superior quality, hi-resolution characters onto porous substrates.
<p>Industrial Coding & Marking</p> 	<ul style="list-style-type: none"> HSAJET series – two versions that can be used in a variety of configurations. XAAR Industrial Print Technology – three models ideal for printing on cartons and other packaging. Color printing systems that can print and verify marking. High speed, reliable, cost effective, high resolution printing on a variety of products. A wide variety of substrates and UV curing and specialty fluids available. Can also offer printer conveyors, transport and feeders.
<p>Controllers</p>	<ul style="list-style-type: none"> HSAUSA offers a variety of controllers for all of their ink jet markers. HSAUSA can provide a wide range of color touch panel controllers that are environmentally safe
<p>Software, Track & Trace & System Integration</p>	<ul style="list-style-type: none"> HSAJET® software: five versions of software are available to cover all of their markers, including: Inkdraw 2.0, Minidraw, Microdraw, OBJ Inkdraw and Mail Inkdraw. Vision systems, encoders, sensors and bar code scanners also available.
<p>Consumables</p> 	<ul style="list-style-type: none"> HP45 Printing Inks - HSAUSA offers a variety of inks available in the HP45 cartridge, including Aqueous, Solvent, Security, UV Cured, Invisible. Piezo Printing Inks - Piezo Printing Inks, oil based, solvent based, UV Cured

You can learn more about these laser, dot peen, scribe or ink jet markers by visiting their websites from the links above. Let us know if we can be of assistance with your next marking application. Contact your local rep at:

SC – Jack Dixon

jackdixon@dixoneng.com

704-290-7373 (M)

NC – Brian Barefoot

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704-655-0411 (M)