

All-in-one Laser Marking Systems

Industrial laser marking is a rapidly growing industry, particularly because there is virtually no limit to the number and types of materials that can be marked by laser equipment. The automotive, medical, and aerospace industries are increasingly turning to laser equipment for marking graphic elements, numbers, barcodes, plain texts, data matrix codes, and further important information. One company that is leading the way in developing and manufacturing state-of-the-art laser marking systems is the German **ACI Laser GmbH**.



The DPLGenesis Marker is the ultimate solution for non-contact, counterfeit-proof, abrasion-resistant, and environment-friendly laser marking

Mr. Mirko Wunderlich set up his business for designing future-oriented laser marking systems in Sömmerda in 1999. Right from the outset, the enterprise has been using innovative diode-pumped laser technology for the production of its all-in-one laser systems. "Our compact laser marking solutions incorporate the entire technology necessary for precision engraving procedures," emphasises Mr. Wunderlich, Managing Director. "Complex external cooling units or power supply appliances, for ex-

ample, are things of the past." In 2000, ACI Laser launched the diode-pumped DPLMagic Marker laser system, which was initially distributed through trading houses and became a great success.

In rapid succession, the company established its own sales department, including offices in Chemnitz and Dreieich, and went into collaboration with distributors in more than 20 countries; moreover, it extended the portfolio with innovative laser systems. "In 2005, we relocated our



headquarters to Nohra in Thuringia, where we established a modern one-stop-shop production facility for groundbreaking laser technologies," tells us our second interview partner, Ms. Steffi Kretzschmar, Marketing Manager. "Today, we employ 15 members of staff and generated a turnover of 7.5 million Euros in 2007."

Within almost one decade, ACI Laser has established a reputation for reliable, state-of-the-art laser systems backed by the service and support of a professional, highly skilled technical team. "As a major player in our business niche, we deliver a broad range of laser solutions for virtually all conceivable laser marking needs," as Mr. Wunderlich tells us. "Our programme can be roughly divided into two product groups, namely Nd:YAG lasers and CO₂ lasers." Both laser technologies can be used with just about any material surface. The Nd:YAG lasers are used for marking metals, synthetic materials, ceramics, foils, etc., whereas CO₂ lasers are ideal for marking wood, paper, glass, leather, and printed circuit boards, to name but a few examples.

The DPLGenesis Marker, for example, is the ultimate solution for non-contact, counterfeit-



All manner of materials and products can be engraved with the ACI Laser marking system
Our photo shows a steel borer

proof, abrasion-resistant, and environment-friendly laser marking. This compact unit combines optical, electronic and mechanical components as well as an thermo-electrical cooling system in one unit. All lasers are offered in Laser Protective Class 4 for integration into existing equipment or production lines. "Furthermore, our portfolio includes complete workstations with integrated electrical x and z-axes," adds Ms. Kretzschmar. The range of products that can be engraved by means of the company's Nd:YAG and CO₂ laser marking systems is nearly unlimited. Examples include tools,

medical devices, aircraft components, jewellery, electronic components, automotive parts, foils, etc.

ACI Laser marking systems offer numerous advantages, as Mr. Wunderlich reports: "All laser systems are provided with a USB 2.0 interface and are bundled with the versatile and user-friendly MagicMark V3 laser marking software. In addition to an unsurpassed performance, our products are distinguished by their individual design, which also sets them optically apart from the systems of our competitors." All laser product solutions can be

viewed at numerous national trade fairs, including the K and METAV in Dusseldorf, AUTOMATI-CA and LASER in Munich, Fakuma in Friedrichshafen, AMB and LASYS in Stuttgart, INTEC in Leipzig, and GrindTec in Augsburg. "We will continue to create added value for our customers by providing unparalleled products, service and support," concludes Mr. Wunderlich. "Added value drives our

laser technology forward, increases the market penetration of our products, and attracts customers and distributors. It is a strategy that works and will keep us moving in the right direction long into the future."



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