



## Datalogic Bar Code Scanners Provide Data Security in Medical Laboratories

With its five laboratories, MEDILYS provides all locations of the Asklepios Clinics in Hamburg and other hospitals with a broad spectrum of medical laboratory services. Approximately 7.5 million tests in the field of clinical chemistry and approximately 220,000 bacteriological submissions are processed each year.

### The Challenge

Institutions of public health are subject to strict requirements due to numerous new regulations. The new guidelines of the Federal Medical Association for the quality assurance of medical laboratorial examinations became effective on April 1, 2008. Each person or institution undertaking such laboratory examinations must meet the new requirements for pre- and post-analysis in particular and introduce a quality management system.

### The Solution

Thirty to forty Datalogic bar code readers are delivered to the MEDILYS laboratories each year. Seven complete workplaces for the analysis of samples have been installed in the laboratory of the clinic in Wandsbek alone.

The central laboratory provides various machine-readable request forms, with sample labels on which the patient and sender data are printed. Examination requirements and other information are marked in the corresponding spaces. The labels of the request form with the ordering number of the form as well as the patient data are attached to sample vessels according to the request. The correctly labeled sample is then definitively classed with the request.



### Customer

MEDILYS

### Industry

Healthcare

### Application

Identification and Documentation of Laboratory Samples

### Country

Germany

### Datalogic Scanning Product

Heron™ and Gryphon™ Handheld Readers

### Datalogic Partner

Datadent

The sample is registered in the laboratory by the bar code reader. The laboratory information system assigns the sample to the order from the request without a voucher. There are workplaces specially configured for the various examinations.

The sample is stored in the archive following the analysis. After the examination is completed, the sample is again scanned by the analysis device and receives an archive number. There is always recourse to the sample when it is requested or designated again.

“Rapid and flawless registration of all arriving samples cannot be achieved without the use of the Datalogic bar code readers. The reading devices support us in undergoing a large number of analyses.” Ulrike Teege, executive assistant medical technician, MEDILYS Institute, Clinical Center Wandsbek, Hamburg.

Bar code labels ensure a certain identification of the sample.

### The Products

The Heron™ reader has great reading performance, is lightweight and easy to use making it perfectly suitable for use in medical laboratories. It can function as either a handheld device or a presentation style reader and includes an autosensing stand in the package.

With rich feature sets and extensive model options, the Gryphon™ product series represents the premium level of data collection equipment for general purpose applications. Gryphon linear imagers offer outstanding reading performance in an ergonomic form factor. Extremely versatile and durable these readers are the ultimate solution for applications where low resolution and/or damaged codes need to be read with consistent and reliable performance.

Both the Heron and Gryphon products feature Datalogic’s patented Green Spot for good-read feedback directly on the code, which is useful in noisy environments or when silent scanning is desired.

### The Partner

Solutions by Dataldent: Today, the entire spectrum of identification technology includes more and more individual solutions. Based upon well-ried standard components, the intelligent linking of existing technologies and software solutions is in demand in order to create logistical and production-controlling solutions.

The close cooperation with Datalogic and long-term experience in various fields ensure a comprehensive knowledge of the product and market. Creative and productive solutions are produced, based upon realized systems, more advanced expertise and continuous further development. “Thanks to the user-friendly Heron™ and Gryphon™ readers with their enormous reading capacity, the specialist and administrative activity of physicians and laboratory employees is given enormous support; the obtained data is centralized with a high degree of comprehensibility and, above all, optimally secured and archived.

“This archiving of ‘secured laboratory property’ represents an extraordinary increase in production in the area of public health which we, as partners with Datalogic Scanning, convincingly put into practice with our clients.” Lars Bauer, Sales Director, Dataldent GmbH, Seevetal



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**Ulrike Teege, Executive AMT,  
MEDILYS Institute, Clinical  
Center Wandsbek, Hamburg**

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Product specifications are subject to change without notice.

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