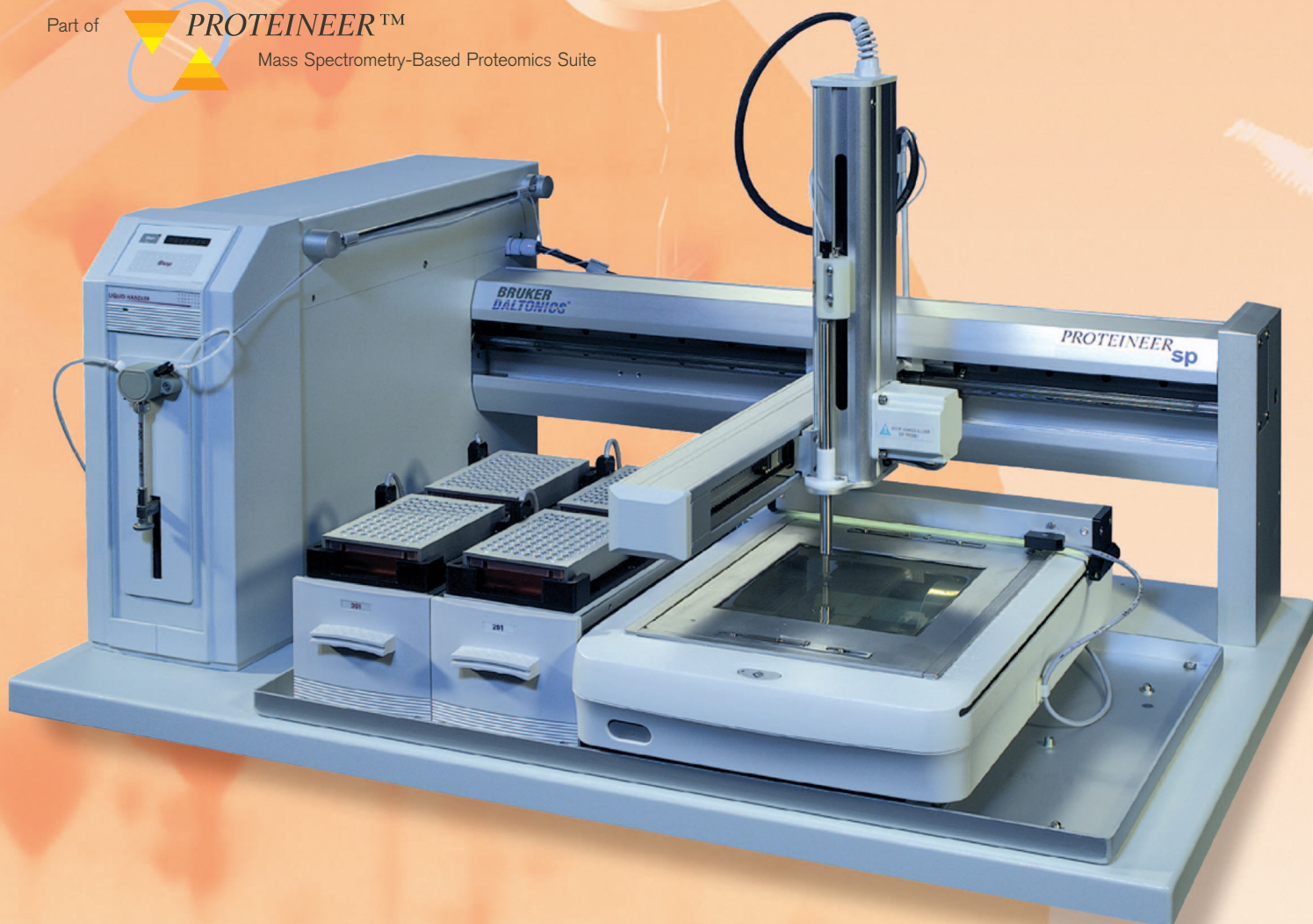




Part of  **PROTEINEER™**
Mass Spectrometry-Based Proteomics Suite



The Automated Spot Picker
PROTEINEER **sp**

BRUKER
DALTONICS®

Enabling Life Science Tools Based on Mass Spectrometry™

The Automated Spot Picker

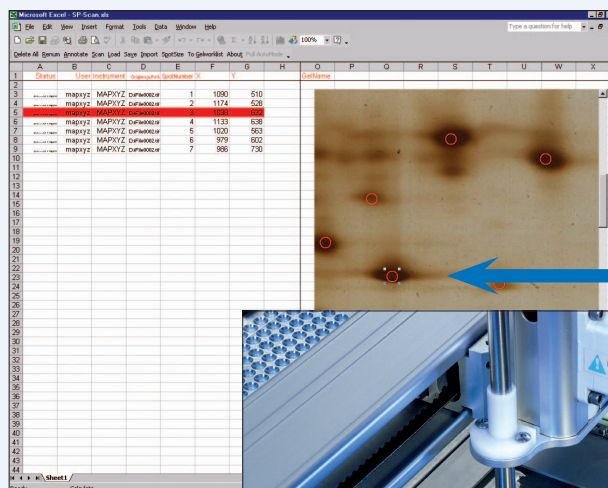
The PROTEINEER sp™ Spot Picker enables automated spot picking from 2D gels into 96-well plates. The sp seamlessly interfaces with the PROTEINEER dp workstation for gel spot digestion and MALDI preparation, and thus automates the Proteomics workflow from 2D gel separation to mass spectrometric identification and characterization.

Automated Spot Picking

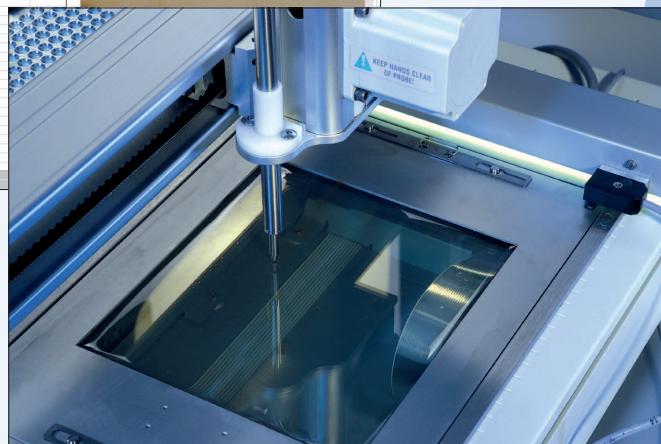
A modified digital scanner serves as the spot-picking platform. This scanner requires three of the five standard rack positions on the tray, leaving space for up to 4 micro well plates. A sealed mounting positions the gel on the scanner.

The spControl software allows for manual selection of single spots by mouse-click on the scanned gel image. The individual x,y-coordinates, together with the corresponding position of the excised spot on the microtiter plate, are automatically transferred into a Microsoft® Excel spreadsheet.

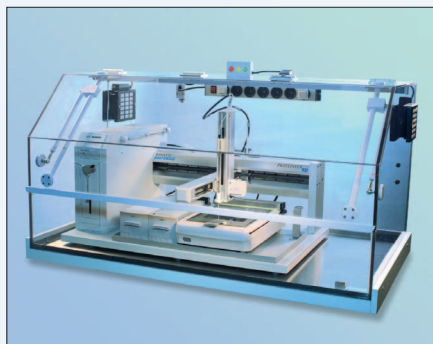
In addition to the manual spot selection procedure, gel matching software can be used.



Selected spot



Picking platform



A safety box prevents the gel from contaminations

PROTEINEER Suite Integration

Gel and excised gel spots are identified via electronic transponders mounted on the gel frame and well plates. These transponders refer to a server-based spreadsheet which holds all significant sample data from gel coordinates to MS acquisition parameters.

Technical Specifications

- Robotic workstation based on the proven Gilson 215 series
- Modified scanner with sealed gel mounting and light bridge
- Stainless steel circular cutter, 1, 1.5 and 2 mm I.D.
- Suited for coomassie and silver-stained gels
- Included: Safety Box, Windows 2000 Workstation and Monitor
- Networks with PROTEINEER suite components via transponder and server-based Excel spreadsheets
- Spot Picking in less than 12 seconds, Accuracy ± 0.2 mm, Reproducibility > 99%
- Dimension (safety box): W x D x H: 134 x 80 x 76 cm

www.bdal.de
www.bdal.com

BRUKER
DALTONICS®

Bruker Daltonik GmbH
Bremen · Germany
Phone +49 (421) 22 05-200
Fax +49 (421) 22 05-103
E-Mail sales@bdal.de

Bruker Saxonia Analytik GmbH
Leipzig · Germany
Phone +49 (341) 24 31-30
Fax +49 (341) 24 31-404
E-Mail sales@bsax.de

Bruker Daltonics, Inc.
Billerica, MA · USA
Phone +1 (978) 663-36 60
Fax +1 (978) 667-59 93
E-Mail ms-sales@bdal.com

Please ask for our worldwide sales and service contacts.