



# 2D iDX

## Gel Processing System



### 2D iDX Software

- Designed to put the focus on the application, Not the programming
- Software selectable light sources for imaging visible and fluorescent gels on platform
- Customize your digestion protocol with easy drag and drop programming
- User friendly intuitive control
- Simple single Firewire® cable connection
- Open access Visual Basic™ programming
- Easy interface with third party image analysis programs

- Active monitoring of gel plug
- Imaging on platform
- Unique 1-D gel lane cutting software tool
- Deposits multiple gel plugs into a single well

For over 15 years LEAP has been providing outstanding value for GC, LC, GC/MS, LC/MS Front-End Automation. Now in addition, you can count on LEAP for Proteomics Automation, including:  
2DiD - 2DiDX - 1D & 2D NanoLC System - MALDI Plate Spotter



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- Imaging
- Excision
- Digestion
- Extraction
- MALDI Spotting

## All-in-One Bench-Top Platform

Achieve Maximum Reliability with Active Gel Plug Detection



**A - POSITIVE DISPLACEMENT PUMP**

- Precise Liquid Dispensing
- Gel Plug Pre-wet And Hydration

**B - HIGH RESOLUTION CCD CAMERA**

- Fully Adjustable Zoom 12-120 Micron/Pixel
- Robot Arm Mounted Four Inches From Gel
- Machine Vision For Positional Teaching And Inspection

**C - INTEGRAL WASH STATION**

- Wash-on-the-fly, No Wash Station Visiting Necessary
- Internal And External Cleaning
- Programmable Settings

**D - ENCLOSURE**

- HEPA™ -Filtered Positive Pressure Air
- Light Filtering Transparent Plexiglass

**E - MULTI-FUNCTIONAL TOOL**

- Active Gel Plug Monitoring For Process Reliability
- Liquid Delivery, Air Pressure And Vacuum Equipped
- Integrated Force Sensor For Application Versatility

**F - ENZYME / REAGENT COOLER**

- Enzyme Storage Cooling On Platform

**G - TOOL REST STATION**

- Plate Tool For Relocating Plate
- Purge Tool For Positive Pressure Flow Control

**H - GEL PLUG COLLECTION**

- Digestion Incubation Station
- Temperature Control Ambient To 60°C
- Evaporation Controlled Heating

**I - TRANSILLUMINATOR**

- Visible And Fluorescent Stain Compatible
- Software Selectable Multi-Wavelength Light Source
- User Friendly, No Need For UV Eye Protection
- Cool Light With Reduced Photo-bleaching

**J - MALDI TARGET SPOTTING**

- Adaptable To Any Target
- 100nl Dispensing Probe
- High Density Grid

**K - BLOTTING STATION**

- Remove Excess Liquid
- Eliminate Dilution

**L - RECEIVING PLATE STATION**

- Positive Pressure Elution
- Ultra-High Sensitivity
- Controlled Delivery Versatile Design

**M - REAGENT STORAGE GRID**

- Fifteen Reagent Locations
- Multiple Reagent Volumes
- User Definable Locations And Sizes

**N - DISPOSABLE TIP TRAYS**

- Dispense As Low As 400nl For Peptide Digest
- Peptide MALDI Target Spotting

**P - ROBOTIC PLATFORM**

- Industrial Platform With Proven Durability
- Compact Bench Top Footprint
- Four Axes (X, Y, Z, Theta) Movement
- High Resolution, One Micron X And Y Axes

