



ES Industries Competencies

The right choice for HPLC
and SFC Columns

Key Personnel

Who we are...

David Kohler
President, ES Industries

Since 1976 David has been a key person at ES Industries in promoting chromatography consumable chromatography products. He has been involved developing and introducing consumable chromatography products to scientists worldwide.

He has successfully provided chromatographic consumable solutions to numerous scientists in various areas of research by direct interaction with them and a keen understanding of their chromatographic challenges.

What we do...

ES Industries manufactures silanes, polymers and stationary phase for chromatography and packs those and commercially available stationary phase into columns from 1 mm to 100 mm in diameter and in lengths from 1 cm to 30 cm

Matthew Przybyciel, Ph.D.
Vice President & Technical Director, ES Industries

Matthew has been technical director at ES Industries since 1990. He has developed numerous consumable chromatographic products at ES Industries.

He is the key person to take advantage of David Kohler interactions with scientist for the direct development of products and chromatographic solution to solve chromatographic challenges.

He has been involved in variety of chromatographic techniques including gas chromatography, HPLC and SFC.

HPLC Columns & Stationary Phases

The widest range of HPLC Columns available...

- ❖ All columns are manufactured to our “Quality Focus” program specifications which includes 5 key testing procedures
- ❖ Wide range of chemistries from reverse phase C1 to C18, HILIC, normal phase, a-chiral and chiral SFC phases and specialty phases.
- ❖ State of the Art Base deactivated materials introduced in 1998
- ❖ Introduction of commercial equivalent materials for Luna, Hypersil, Spherisorb, etc in 2004
- ❖ UHPLC – sub 2 micron columns and phases launched in 2005. We have the largest variety of sub-2 micron chemistries available in the HPLC column market
- ❖ Epic brand introduced in 2006 with new super dense bonding technology in reverse phase
- ❖ Epic Aromatic Selectivity family launched in 2012 – including unique π - π interaction selectivities including BiPhenyl, Naphthyl, Phenyl Hexyl and DiPhenyl
- ❖ MacroSep Bio Gold family developed in 2016 to satisfy the increased biopharma needs of peptides and macromolecules

SFC Columns & Stationary Phases

ES Industries SFC Column Development Program...

- ❖ Began working with Terry Berger in the late 1990s. At that time he was a principle owner of Berger Instruments we supplied his company with cyano, diol and silica columns
- ❖ Developed Silver Silica and silica columns for SFC ASTM petroleum methods in the late 1990s.
- ❖ Started with the development of polysaccharide chiral stationary phases in 2006
- ❖ Introduction of GreenSepTM Ethyl Pyridine in 2008
- ❖ Introduction of GreenSepTM Amino Phenyl in 2008
- ❖ Development and introduction of number of GreenSep phases for SFC driven by the needs of our customers

Continued SFC R&D

ES Industries SFC Column Development Program...

- ❖ Continue research to discover a more universal SFC column
- ❖ Focus on specific applications which have the possibility of wide adaption
- ❖ Continue research to develop new columns for specific compounds classes
- ❖ Continue research to develop new columns for SFC chiral separations