



GLOBAL COVERAGE

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SCS Celebrates Terry Bush, Names Tim Bender President and CEO

In May, Specialty Coating Systems celebrated the retirement of President and CEO **Terry Bush** and named **Tim Bender** his successor.

In his 37 years of dedicated service at SCS, Terry served in a number of roles within operations before he was named President and CEO in 2008. His business acumen, leadership, high-quality standards and relentless support of employees around the world contributed to SCS' significant growth and success over the years.

Upon Terry's retirement, Tim Bender was named President and CEO. Tim's career began in human resources at a SCS-sister company in 1995 before he transferred to SCS' Indianapolis corporate headquarters in 2000.



Terry Bush

Tim assumed responsibilities for the company's marketing department in 2003 and joined the executive team in 2006 as Executive Vice President, Sales & Marketing. For 20 years, Tim worked closely with Terry and other members of the leadership team, shaping the company's vision and growth strategies.

Tim's experience in both human resources and leading the global sales and marketing efforts for over 15 years uniquely prepared

him for this new role in which he is executing SCS' core strategies related to sales and profit growth, regional expansion and operational excellence. Tim graduated from Missouri State University with a bachelor of science in business and a minor in marketing. He earned his MBA from William Woods University.



Tim Bender

Reflecting on Terry's tenure at SCS, Tim said, "Terry has played a major role in strategically shaping SCS into the company it is today. The company has grown greatly under his leadership – not only in the number of locations and overall revenue, but Terry's compassion for employees and his desire to see employees at every level of the organization grow have been trademarks of his leadership. Terry compels those around him to give their absolute best each and every day. He embodies the values that we have set forth as a company – Respect, Integrity, Service and Excellence. While he will be missed, Terry has left a unique mark on the history of SCS that will long benefit the company and its employees."

SCS would like to congratulate Terry and Tim on these accomplishments.

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SCS Newsletter Celebrates 30 Years of Publication

This issue of the *Global Coverage* marks 30 consecutive years of publication. The customer newsletter, originally known as the *Parylene Press*, was first released in 1990 as a source of education and a place to share the stories behind the growing use of Parylene coatings across industries. In 1998, the *Parylene Press* was renamed the *Global Coverage*, a title reflective of the company's expansion – both in product offerings and international reach.

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SCS ParyFree® Meets ISO 10993 Biocompatibility Testing Requirements

SCS is pleased to announce that its newest Parylene variant, ParyFree®, complies with ISO 10993 biocompatibility testing requirements. ParyFree's conformance demonstrates its ability to serve as a biocompatible surface for tissue contact and suitability for use in many critical medical applications, including medical electronics.

Testing in accordance with ISO 10093 was completed at an independent testing facility and included cytotoxicity, acute systemic toxicity, sensitization, irritation/intracutaneous reactivity, hemocompatibility and implantation (2, 12 and 26 weeks). ParyFree is also certified to comply with the biological test requirements for United States Pharmacopeia (USP) Class VI Plastics for use as a polymer to contact and/or contain pharmaceuticals. SCS Parylenes N, C and Parylene HT® also meet the testing requirements of ISO 10993 and USP Class VI Plastics.

In addition to meeting biocompatibility test requirements, SCS ParyFree has been independently tested in accordance with BS EN 14582:2007 to verify its efficacy as a halogen-free material and IEC 60529, test conditions 14.2.7 and 14.2.8 for IPX7 and IPX8 designations, which demonstrates protection from harmful effects due to the ingress of water.

ParyFree coating offers the same beneficial properties expected from the Parylene family but with improved barrier protection over



traditional halogen-free variants. Although there are many non-hazardous uses of halogens, electronics have historically utilized brominated compounds as effective flame retardants, only to later learn of issues created when these electronics were improperly disposed of by incineration. The worldwide effort to minimize the use of halogens, therefore, aims to increase long-term environmental safety.

Uses for ParyFree range across the medical device spectrum and include consumer healthcare devices such as monitors and wearables in addition to critical medical electronics and long-term implants. Additionally, many medical applications include heating and cooling technologies, which take advantage of the improved thermal conductivity of ParyFree over other available Parylene variants.

To learn more about ParyFree and how SCS Parylenes can add value to your medical applications, contact Dick Molin at 317.244.1200, ext. 0271, or dmolin@scscoatings.com.

Kermit Olson Celebrates 40 Years at SCS



Kermit Olson

In the summer of 1976, **Kermit Olson** joined Nova Tran Corporation in Clear Lake, Wisconsin, as a magnet coating operator. Kermit worked in the position for two years before leaving the company, but returned in September of 1980 after his brother, Kurtis, became manager of the magnet coating operation.

In the years that followed, Kermit learned every aspect of SCS' magnets operation, including the epoxy coating, screenprinting and magnetizing processes. Kermit

and Kurtis worked side by side building the department. During that time, the two occasionally traveled together to meet customers, and Kermit began working with the engineering team to build or acquire magnets for customer applications. The early 1990s brought many changes at Nova Tran with the creation of Specialty Coating Systems, Inc. Kermit went on to become the supervisor of the magnet department while Kurtis transitioned into sales and marketing.

Several years later, Kermit and Kurtis teamed up once more to file a patent on their invention of a magnet and belt clip to assist epilepsy

patients. The patent was granted on July 17, 2001, and the design is still in use today.

Kermit reflected on witnessing the growth of Specialty Coating Systems – from its earliest operations under the Nova Tran umbrella to the global leader it is today. Kermit said he is proud to have worked with many wonderful people who have helped make SCS' magnet department successful.

Alex Dix, Plant Manager of SCS' coating facility in Clear Lake, described Kermit as “a dedicated, hardworking employee who does everything he can to deliver excellent customer service. On many occasions, he has come into work at 3 a.m. to ensure an order of magnets would ship on time. The magnet department has always been neat and orderly for as long as I can remember, and I think that is a direct reflection of Kermit's work ethic. He holds his team to a high standard regarding throughput and quality, but he is always willing to step in as needed to lend a helping hand. He is truly an expert in his field, and I've learned a tremendous amount from him about magnets and the magnet coating business. We're fortunate to have Kermit as a member of our team in Clear Lake.”

Congratulations and thank you, Kermit, for your 40 years of service and leadership at Specialty Coating Systems!

SCS Introduces PrecisionCoat Progressive Cavity Pump Valve

SCS is pleased to introduce a new Progressive Cavity Pump Valve feature for the PrecisionCoat line of spray coating and dispense systems. In addition to positional precision, the advanced Progressive Cavity Pump Valve is capable of controlling and dispensing materials with a higher level of accuracy. This feature is available for both single and two-component (2K) material applications.

A greater level of material control provides manufacturers with better application characteristics and improved yield. When used with 2K materials, the Progressive Cavity Pump Valve reduces the need for batch mixing and employs an economical dispensing system. By removing the premix batching of material, manufacturers can reduce their material costs by 15-25%. Automating the process with a PrecisionCoat can reduce training and quality costs associated with process variability.

In addition to improved yield and liquid control, the PrecisionCoat can also provide UV spot curing technology, which can be coupled with adhesive dispensing and coating technology. The spot cure device is mounted directly onto the dispensing head and is deployed through software programming; this enhances control over the coating process to prevent migration of materials, which is especially helpful with dam and fill methods or glob top epoxies.



The PrecisionCoat's proprietary Windows®-based software provides users complete control of dispensing flow with programmable settings.

These settings can control single or multi-mix material volumes and speeds. Customizable coating profiles can be used to save these settings by material for programming repeatability and/or material-specific handling. The PrecisionCoat software enables users to change their mix ratios on multi-part materials without hardware modifications. Users also have the ability to adjust dispense settings on time-based pre-mix applications.

Equipped with the Progressive Cavity Pump Valve, the SCS PrecisionCoat can dispense solder paste, adhesives, epoxies and 2K spray resins with full automation. This new technology improves assembly process control and yield, while still offering the flexibility to change when assembly system modifications are required. To receive more information on the PrecisionCoat or Progressive Cavity Pump Valve feature, or to request a quotation, contact Hans Bok at 508.997.4136 or hbok@scscoatings.com.

Personnel Highlight



After joining SCS in 2015 as a sales support engineer, **Meredith Hamilton** became the Northwest Territory Manager in 2019. In this role, Meredith is responsible for educating customers on the benefits of Parylene coatings and working with them to ensure their coating needs are met.

Meredith graduated from Purdue University with a bachelor's degree in materials science and engineering. She and her husband reside in the Pacific

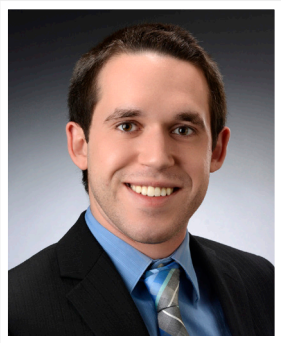
Northwest. In her spare time, Meredith enjoys yoga, hiking and do-it-yourself projects.

SCS Newsletter Celebrates 30 Years of Publication (continued)

In 2020, three decades after the newsletter's launch, SCS continues its strong history of educational content based on nearly 50 years of providing conformal coating services and technologies to the global medical device, electronics, transportation, aerospace and defense industries. Through the years, SCS has been fortunate to celebrate numerous milestones and new product launches as well as share educational articles aimed at expanding the industry's knowledge and understanding of Parylene and other conformal coating technologies. To view an archive of previous newsletters, visit scscoatings.com/technical-library.

We are excited to share that new and exciting changes will be coming to the *Global Coverage* newsletter in 2021. To subscribe to upcoming issues and receive product and company updates, visit scscoatings.com/signup.

Personnel Highlight



James Knox began his career at SCS in 2016 as a sales support engineer, supporting customers in the northeast United States. In 2019, James relocated to Texas to become the South Central Territory Manager, a role in which he manages new customer opportunities while building relationships with long-term SCS customers.

Before joining the company, James worked for the state of New York performing chemical analysis for their Buffalo, New York, Environmental Health and Safety Group. He

graduated from the University at Buffalo with a degree in chemical engineering. James and his wife reside in Texas; in his spare time, James enjoys traveling, baseball, bike riding and cooking.

Connect with SCS



Specialty Coating Systems welcomes you to connect with us on social media. Be one of the first to explore new advances in Parylene technology, upcoming educational opportunities, trade show appearances and much more! Find us on Facebook, LinkedIn and Twitter.

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*The **Global Coverage** exists to promote a better understanding of Parylene and the capabilities of Specialty Coating Systems. For previous issues, visit scscoatings.com.*

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