

# KUHNE NEWS

KUHNE GROUP

March 2024

## High Temperature Extrusion – Pushing the Envelope

Thermoplastic products range in a large variety of temperatures for production, most of which falling within operating temperatures of 200C to 290C (392F to 593F). However, there are some materials that require much higher temperatures in production, such as PPSU and PEI. Here, temperatures need to reach as high as 350C to 400C (660F to 752F). Achieving such temperatures and subsequent steady sheet production is in and of itself a challenging task. With one of KUHNE's most recent projects, an even more complex challenge was tackled. Aiming to achieve production of a large plethora of films and sheets, a customer tasked KUHNE with designing a full line capable of not only running regular material temperatures, but also reaching the required temperatures for PPSU.

The goal was in essence to create a single line that could handle a dozen types of materials, including PC, ABS, Noryl, Kynar and more. After much careful planning and designing, KUHNE recently completed production and successful testing of a K90 Extruder for this project. Running trials with both PEI and PVDF, throughput numbers of over 360kg/hour (800lb/hour)

for PEI and over 1100kg/hour (2400lb/hour) for PVDF were achieved. With this success, KUHNE has once again expanded its portfolio. In the following weeks, the next task will be completed with the assembly of the uniquely designed roll stack for this project. More to follow in the next KUHNE News.



## NPE 2024 – See you There!

With the NPE 2024 just around the corner we are excited to announce that we will be attending with an entire booth! You can find us at **W7789, West Building Level 2, Expo Hall** all week. We are excited to show you all what KUHNE has developed and has in store. Stop by spontaneously during the NPE or make an appointment now with the KUHNE Team to discuss any

and all topics that you may have. If you would like to have guaranteed time with one of us, please reach out to

**Mark Schulz, our East Coast Area**

**Sales Manager:**

[schulz@kuhne-group.com](mailto:schulz@kuhne-group.com)

+1 (574) 206-3768

and let us know what time works best for you! Please include any topics that you would like to discuss or hope to get out of the meeting. This way we can ensure a successful and informative consultation.

<p><b>NPE2024</b> The Plastics Show May 6-10, 2024 Orlando, Florida</p> <p>W7789, W-Bldg, L2</p>	 <p><b>KUHNE</b></p>	<p><b>NORTH AMERICA</b></p> <p><b>Extrusion Beyond Your Imagination</b></p>
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### IMPRINT

Publisher: KUHNE GmbH  
Einsteinstraße 20  
53757 St. Augustin

Phone: +49 2241 902-0  
Service Hotline: +49 180 5902099  
Telefax: +49 2241 902-180  
E-Mail: [info@kuhne-group.com](mailto:info@kuhne-group.com)  
Internet: [www.kuhne-group.com](http://www.kuhne-group.com)

