

PROCESS ENGINEERING SCHOOL

Twin Screw Advanced

KraussMaffei

Pioneering Plastics

**Day 1 –
Room: Schulungsraum (groß), 1. Floor**

Zeiten	Modul	Verantwortlicher
08:45 – 09:00	Reception and registration	KME / Evelyn Wellmann
09:00 – 09:30	Company presentation Krauss Maffei Extrusion	KME / Ralf Dahl
09:30 – 10:15	Machine technology for compounding	KME /
10:15 – 10:30	Break	Team
10:30 – 11:15	Control: Setting parameters & measured variables	KME / Rene Jordan
11:15 – 12:00	Complete plant concepts	KME / Lennart Eberlein
12:00 – 13:00	Lunch	Betriebsrestaurant KME
13:00 – 13:45	Dosing technology in compounding processes	Fa. Kubota Brabender / Michael Weller / Peter Dümpelmann
13:45 – 14:30	Vacuum technology	Fa. Edwards / Torge Lüchow / Frank Achenbach
14:30 – 15:45	Downstream equipment (pumps, filters and granulators)	Fa. Maag / Frank Bruns / Andre Ostheimer
15:45 – 16:00	Break	Team
16:00 – 16:45	  Technical Station 1: Dosing Technology Practice	Fa. Kubota Brabender / Michael Weller / Peter Dümpelmann
16:45 – 17:30	Technical Station 2: Understanding Downstream Equipment	Fa. Maag / Frank Bruns / Andre Ostheimer
17:30 – 18:15	Technical Station 3: Extruder & Screw, Setup Operation	KME / Daniel Przinitzki
18:00	Restaurant	

*Day 2 –
Room: Schulungsraum (groß), 1. Floor*

Zeiten	Modul	Verantwortlicher
08:30 – 09:15	Plastics: Overview & Properties	KME /
09:15 – 10:00	Additives, reinforcing agents and fillers	KME / Dietmar Becker
10:00 – 10:15	Break	Team
10:15 – 11:00	Material properties & formulation	KME /
11:00 – 11:45	Materials testing theory: Correctly assessing quality	KME /
11:45 – 12:45	Lunch	Betriebsrestaurant KME
12:45 – 13:30	Process concepts & extruder design	KME /
13:30 – 14:15	Screw design & scale-up	KME / Dietmar Becker
14:15 – 14:30	Pause	Team
14:30 – 15:15	In-line process analysis: Rheometry	Fa. ThermoFisher / Marc Hofrichter
15:15 – 16:00	In-line process analysis: spectroscopy	Fa. CoIVisTec / Fuat Eker
16:00 – 16:15	Break	Team
16:15 – 17:15  	Practical training in the technical center: Station 1: Starting up the extruder and understanding process parameters	KME / Daniel Przinitzki
17:15 – 18:15	Station 2: In-line analysis & underwater pelletizing	KME / Lars Biermann / Marc Hofrichter

*Day 3 –
Room: Amazonas, 1. Floor*

Zeiten	Modul	Verantwortlicher
08:30 – 09:45	Laboratory management, practical materials testing	KME / Farinaz Noori
09:45 – 10:30	Troubleshooting: Identifying errors and their causes	KME / Albrecht Schröder + Daniel Przinitzki
10:30 – 10:45	Break	Team
10:45 – 11:30	Simulation options for twin-screw	KME / Andreas Madle
11:30 – 12:00	Final discussion Q&A Distribution of certificates Closing remarks	KME / David Rapp KME / Evelyn Wellmann