

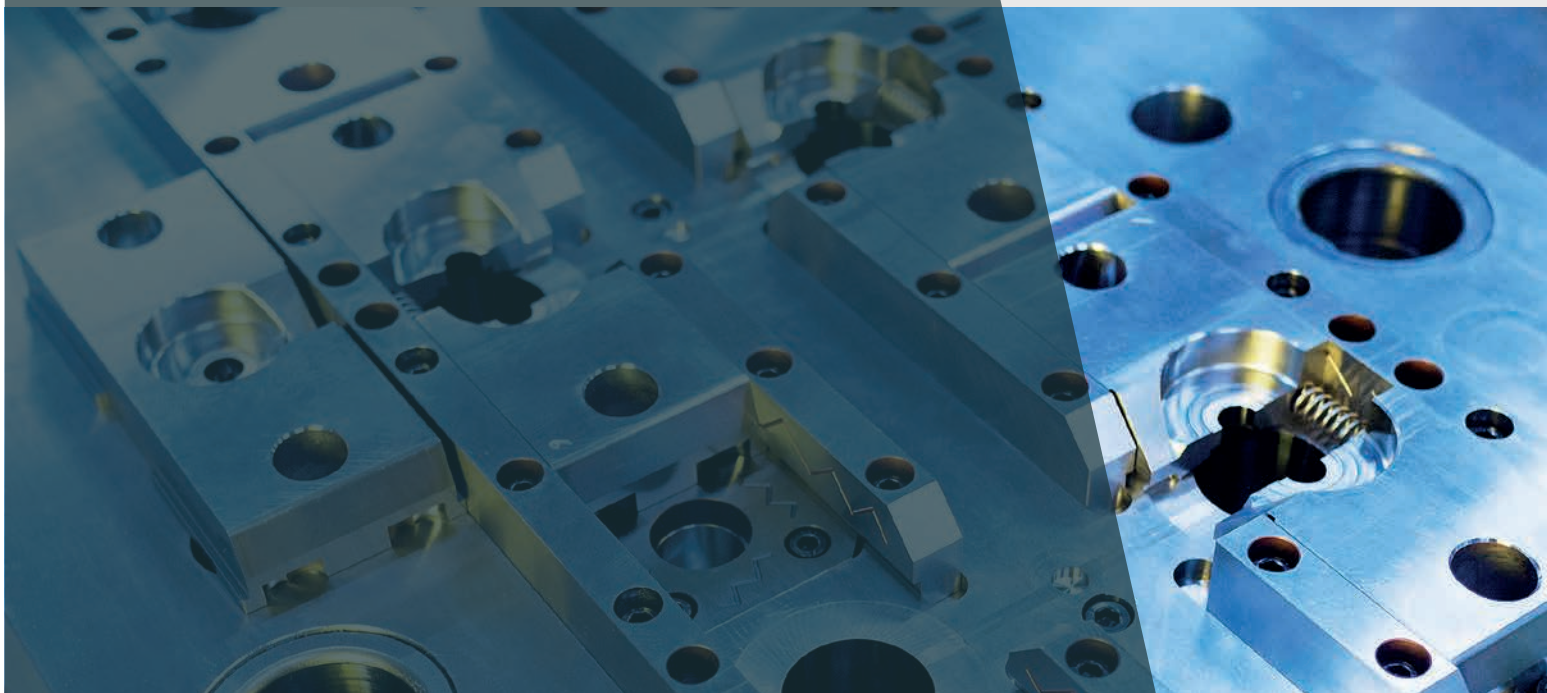


November 5th 2021

kl. 9.30 -15.00

Teknologisk Institut

Kongsvang Alle 29,  
8000 Aarhus



You are invited!

# Super-Moulds final dissemination seminar

Super-Moulds invites the industry to a **free half-day conference** to obtain an in-depth understanding of demoulding in the injection moulding process, roughness and advanced surfaces.

Sign up for the conference here: <http://supermoulds.dk/seminars/>

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**DUPONT**

**SP Moulding**  
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**DFM**  
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**iRAP**  
Institute for  
Applied Plastics Research

**novo nordisk**

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**MICHAEL LUNDBECH**  
INTELLIGENT TOOLING

[www.supermoulds.dk](http://www.supermoulds.dk)

# Seminar

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November 5th 2021, kl. 9.30 -15.00

Teknologisk Institut, Kongsvang Alle 29, 8000 Aarhus

Attend this free half-day conference to obtain an in-depth understanding of demoulding in the injection moulding process, roughness and advanced surfaces.

Results from the project is presented alongside cases, lab tours and excellent opportunities for networking with industry experts.

Adhesion and friction between plastic parts and tool surfaces is a well-known problem in plastic injection moulding and a limiting factor for productivity, part quality and mould life. The Super-Moulds project has systematically investigated the relationship

between surface coatings, textures and demoulding properties in plastic injection moulding. This has led to a deep understanding and mathematical models of the topic and the development of optimized surface treatments. These increase the efficiency and lifetime of the moulds. The optimized surface treatments have been proven to extend the stable process window of injection moulding and changed the need for slip angles and additives.

Who should attend: mould makers, injection molders, professionals working with tribology, surface roughness, mould- and plastic engineers.

## Program

09:30 – 10:00	<b>Registration and breakfast</b>
10:00 – 10:05	Welcome.
10:05 – 10:25	Introduction to the “Super-Moulds” project – how can an international long-term project benefit Danish companies? (DTI/IFD)
10:30 – 10:45	Measuring the maximum ejection force as a way to optimize injection moulding (iRAP)
10:45 – 11:15	Surface roughness and injection moulding (DFM)
11:15 – 11:25	Break
11:25 – 11:35	Mould texturing by electrical discharge machining, EDM (AC)
11:35 – 11:45	Mould texturing by laser (ACNT)
11:45 – 11:55	Break
11:55 – 12:10	Coatings for improved demoulding (DTI)
12:10 – 12:20	Summary and wrap-up (DPF)
12:20 – 12:50	Lunch
12:50 – 14:00	Case presentations and general discussion (physical)
14:00	<b>End of program</b>
14:00 – 15:00	(optional) Guided tour in several DTI centers.