

Curriculum Vitae Carsten R. Nielsen

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Core competencies:

- Mechatronics
- Plastic part design
- Injection mould design
- Sheet metal design
- Catia

Personality:

- Sociable and humorous
- Uncomplicated and open minded
- Logical and systematic
- Flexible and business minded

Educations:

Year	Education	Institution
1985	Toolmaker, stamping tools	Ginge Raadvad
1988	Tool Designer	Aalborg/Skive Tekniske Skole

Courses:

Year	Course	Institution
1988	CNC programming	Frederikshavn Tekniske Skole
1989	Teknom, Economy	Bjerringbro Tekniske Skole
1989	Teknom, Organization	Bjerringbro Tekniske Skole
1989	Process oriented Injection mould design	Dansk Teknologisk Institut
1989	Course in Plast materials	Dansk Teknologisk Institut
1990	Course in termoplast	Dansk Teknologisk Institut
1990	Catia 3D CAD courses	Grundfos
1993	Sales training	DAH
1994	Sales techniques	DAH
1995	IDEAS, The Design Course	SDRC, UK
1995	IDEAS, The Advanced course	SDRC, Sweden
1996	IDEAS, Installation and Admin. Course	SDRC, UK
1996	IDEAS, Drafting Course	SDRC, UK
1997	IDEAS, Surface Course	Summit, DK
1998	Teknom, Leadership and corporation	Aalborg Tekniske Skole
1999	Teknom, Planning tools	Aalborg Tekniske Skole
1999	Unigraphics, Practical Applications of UG	Unigraphics Solutions, DK
2000	Unigraphics, Free form Surfacing	Unigraphics Solutions, DK
2000	WCDMA Overview	Ericsson, Aalborg
2000	UMTS Core Network Overview	Ericsson, Aalborg
2000	Piwin Course	Ericsson, Lund
2000	MS Project	Ericsson, Aalborg
2001	Unigraphics, Ericsson special course	Unigraphics Solutions, DK
2002	Course in termoplast	Teknologisk Institut, DK
2005	CATIA basic	IDE-PRO, DK
2007	CATIA Functional Molded Part	RAND, DK

2007	Regulatoriske krav og CE mærkning af Med. Udst.	Aalborg Universitet, DK
2008	Introduction to Pro/E Wildfire 3.0	Econocap, DK
2009	Import Course	Silkeborg
2010	Maskindirektiv	KV Consult

Employment:

Start / end	Job	Company
1982-1986	Toolmaker Designing and manufacturing of stamping tools the old fashion way	Ginge Raadvad
1987-1988	Education, Tool Designer	Aalborg/Skive Tekniske Skole
1988-1991	Tool Designer, Injection moulds Design of injection moulds and assists on part design on pump parts, using CATIA wire frame 3D	Grundfos
1991	Mechanical Designer Design of plastic parts for speakers with use of CADAM, buying and control of the company's moulds	Jamo
1991-1992	Tool Designer, Injection moulds Design of injection moulds to plastic parts, using ICEM 3D wireframe, programming CNC for milling machine	Bjarne Nielsen Værktøjsfabrik
1992-1994	Sales Engineer, Injection moulds Sales and consulting on the Euromould hotrunners and Meusburger mould components in different companies around Denmark. Participating on the K92 exhibition as sales representative.	Audan
1994-1995	Mechanical Designer Part and mould design for conveyer belts. Creating prototypes in the workshop.	Scanbelt
1995-1997	Mechanical Designer Mechanical design of metal and plastic parts, for mobile phones and accessories using IDEAS 3D. Startup of tools in Korea, and co-operation with Korean and English mech. dep. Working on concept studies for new phones.	Maxon Cellular Systems
1997	3D modeller Design of plastic parts, 3D model work, repair of IGES files for use to SLA, all in IDEAS, customer contact	Dansk Teknologisk Institut
1998	Application Engineer Educating new IDEAS users, IDEAS consultancies at different companies, assists on new Ideas installations, some plastic part design for customers	Summit Systems, SDRC DK
1998-1999	Consultant Working as an "one man company" in a product development department. Writing quotations on different plastic and metal part projects, realizing the projects together with the customers in IDEAS, 3D modeling and drafting, procure SLA and making working prototypes in workshop	Dansk Teknologisk Institut
1999-2001	Senior Mechanical Designer Mechanical coordinator in DK for a UMTS phone project, working together with mechanical colleagues in Lund and Tokyo, creating the complete list of mechanical components, using UG. Working on concept studies and feasibility studies according to Ericsson project model. Coordinating design and mechanical work on studies to Anoto, Sweden (intelligent pencil), creating mech project plans.	Ericsson
2001- 2005	Mechanical Designer	Maxon Telecom

Working with build-up of phone from the first Design drafts, translating design into a realistic mechanical design. Making mechanical design of metal and plastic parts, for mobile phones and accessories using IDEAS 3D. Working close together with PCB, RF and BB departments in-house. Creating mech project plans. Participate startup of tools in Korea, and co-operation with Korean colleagues. Assists with production start in Seoul, Korea. Implementing a number of procedure improvements in mech department. Participated on 5 folder phones and 2 bar type phones. Also making "photo realistic" pictures of the phones in IDEAS and Paint Shop Pro.

Other qualifications: MSOffice, MS project, Autocad

2005- **Managing Director/CEO** mechalution

Running consultant company mechalution, developing solution for plastic part design, sheet metal design and mechanics for consumer electronics, medical devices and mechatronics. Working as mechanic lead/manager on development projects, doing all detail design from ID to production, and since 2005 using Catia for surfacing, part modeling, sheet metal, core/cavity build of plastic parts, advanced injection mould design and drawings. Also working in projects where SolidWork is used.

Mechalution is also purchasing parts and injection moulds for the products created, and also customer specified parts in China. Lots of China (Shenzhen-Dongguan area) travels to both tooling start and production, securing tools to deliver requested quality and performance.

Most project recently is under 60601 directives, working with specifications and documentation corresponding to this and 13485.

www.mechalution.com

Worked and/or sourced parts for following customers:

- RTX
- Tunstall
- Mermaid Care
- Asetek
- GN
- Medodan
- Thrane
- Elcold
- Grundfos
- Vestas
- IPES
- Scanbelt
- Schnoor Plast
- Xtel
- Infinion
- Meyland Smith
- API Marine
- Safevent

2014- **Co-founder** **capida.dk**
Starting web shop selling accessories for mobile phones and tablets, gadgets etc.

2018- **Co-founder** **azmaro**
Starting designing own exclusive leather covers for mobiles

