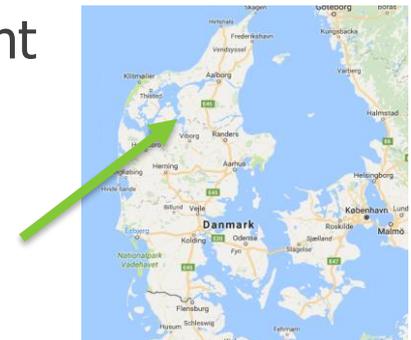


Idé-Pro Skive A/S

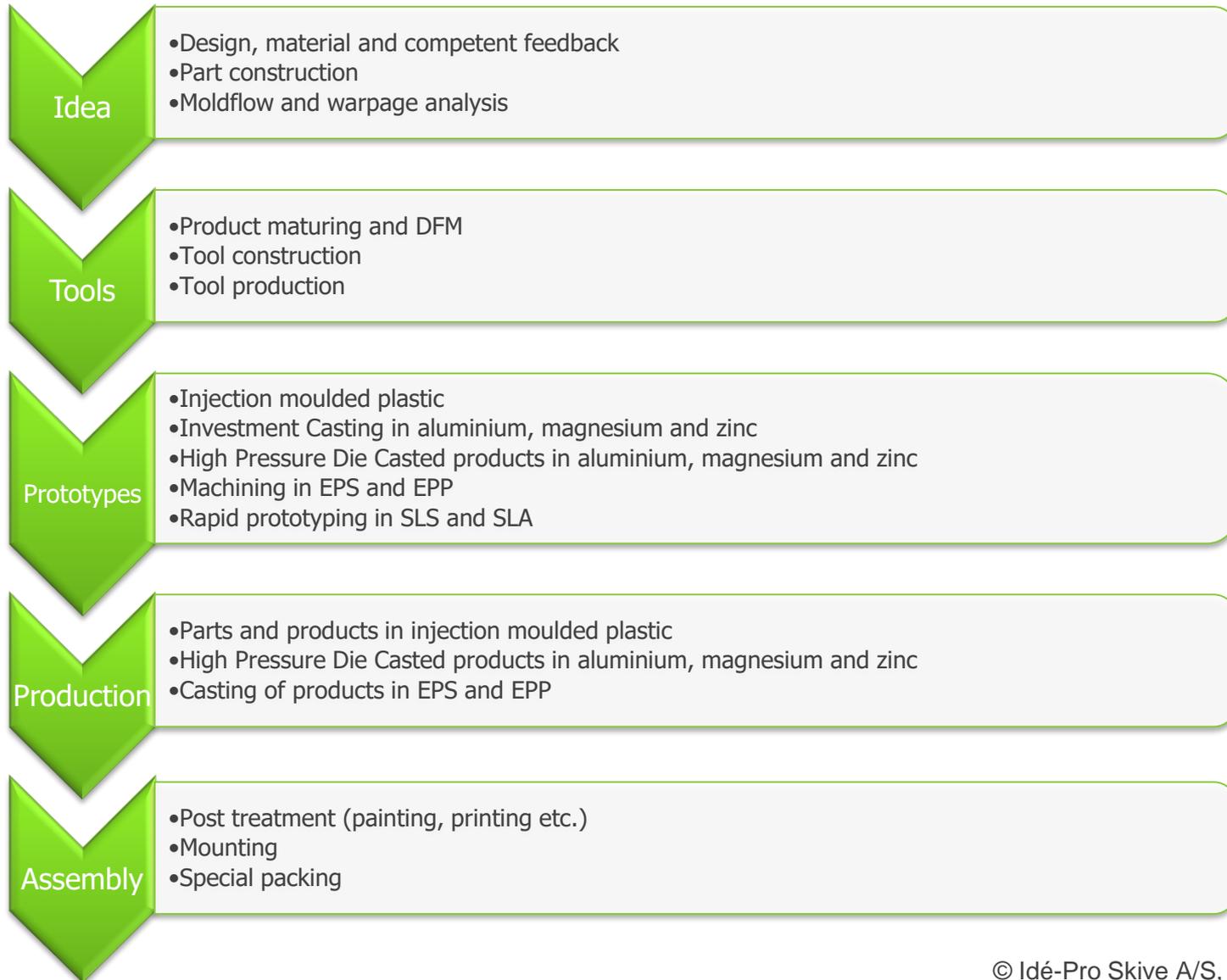
Your partner from idea to **Prototype**
Production
Product

History

- 1994: Founded by Tommy and Morten Nors
 - Tool design and NC programming
 - Dassault Systems reseller
- 1997: Injection moulding of prototypes and products in plastic
- 2004: Idé-Pro Engineering Asia Pvt Ltd is founded, in Bangalore India
- 2009: Acquisition of Temponik A/S
 - Casting in aluminium, magnesium and zinc
- 2010: Quality Certification: ISO 9.001
- 2015: High Pressure Die Casted prototypes and small scale production in light metal
- 2016: ISO 50.001 Certification - Energy management
- 2019: 120 employees and expansion of the factory to 28.000 m²
- Location: Skive, Denmark



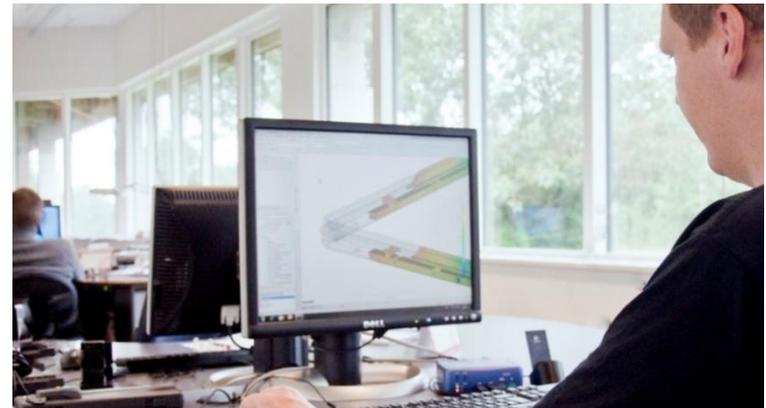
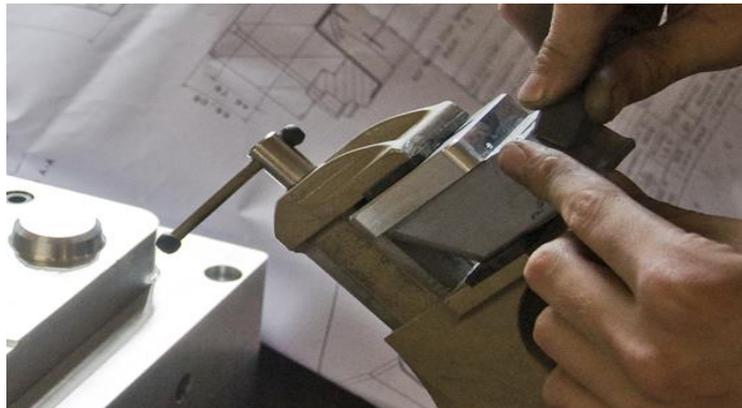
What we can do for you



Product development

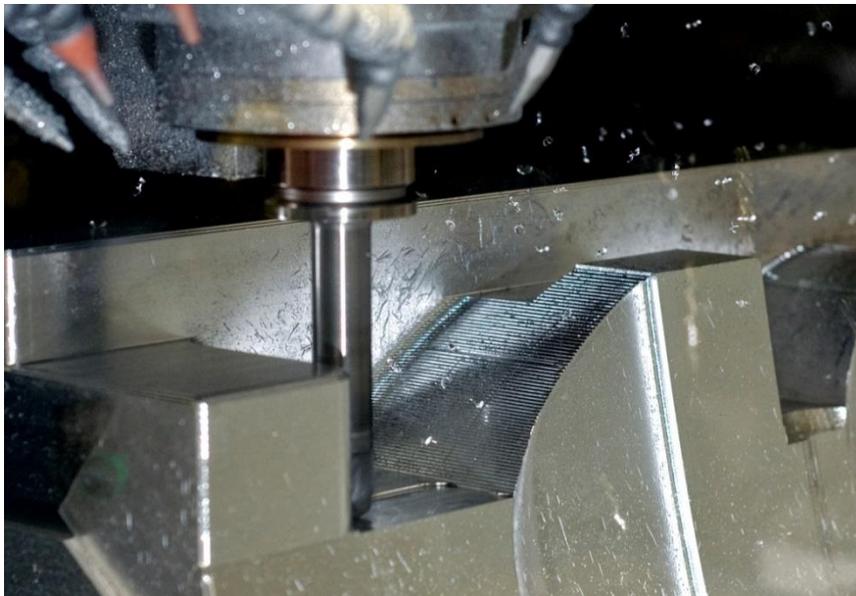
– From Idea to Product

- Knowhow and experience
- DFM, Design for Manufacturing
- Selection of material
- Flow and warpage analysis



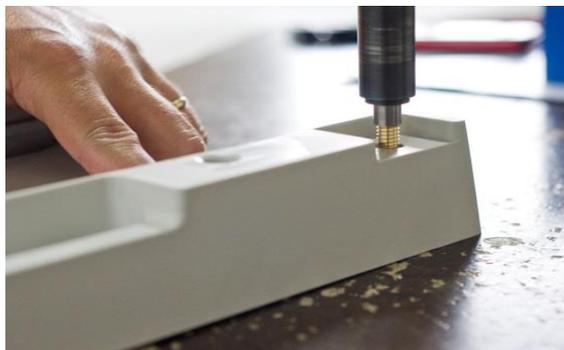
Outstanding tool production

- 24/7 hi-tech production
- Flexible fit and adjustment
- High quality
- Short delivery time
- App. 15 tools per week



Prototypes in plastics

– fast and flexible



Plastic foundry

- Production 24/7 – 365 days a year
- App. 45 men and women run the foundry
- Widely use of robots
- Yearly melting 2,200 tons of plastic
- Clamping force from 6 to 4.000 tons
- Size from 0.01g to 41,500g
- 5,000 product numbers
- 2,000 raw material numbers
- Approved for production of food contact materials
- ISO 9.001 certified



Examples

- 2K moulding PA6/TPU



- Impeller with complex geometry



- Gas Injection Moulding for hollow parts



- 4K moulding for chrome plated components



- 2K Pick and place moulding with in-moulded metal bushings



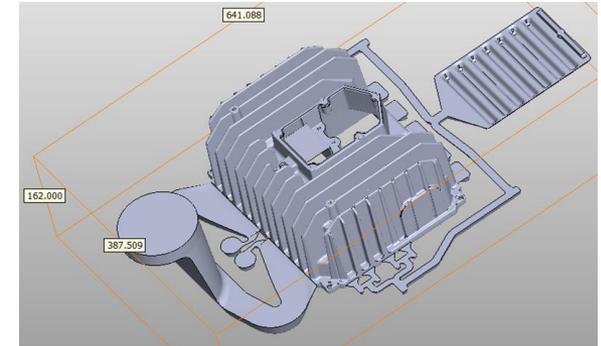
The High Pressure Die Casting process



- From 3D files to the finished product in 5-8 weeks.

High Pressure Die Casting

- Prototypes and small scale production
 - Aluminium, magnesium or zinc
- Soft tooling
 - competitive at smaller quantities
- Prototypes with characteristics corresponding to mass produced products
- Fast and inexpensive adjustment of production tools
- Delivery times from 5 weeks
- Clamping force up to 550 tons
- Max. part unit weight around 4 kg (aluminium)



Alloys

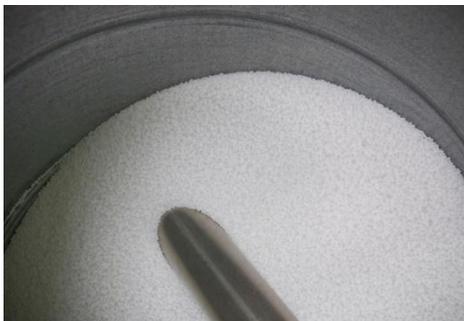


Aluminium	Magnesium	Zinc
AlSi12Cu1 (Fe) (EN47100)	AZ91	Za8
AlSi9Cu3 (Fe) (EN46000)		
AlSi12 (Fe) (EN44300)		
Customer defined materials		

Duralcan: Aluminum alloy with increased elastic modulus and high wear resistance made possible by the presence of predetermined fine and well-distributed silicon carbide particles.

EPS og EPP

– big, technical parts are our speciality



- Great knowledge of the design and production of large technical components
- Components which isolate and / or protect
- Production 24/7 - all year round

Values

- Flexibility, short delivery, quality and discretion
- Focus on the environment
 - Geothermal cooling
 - Geothermal energy
 - Recycling of plastics
- Quality: ISO 9.001, ISO 50.001 energy management + (ISO 14.001, planned for December 2018)
- The House (Confidential – NDA)
 - No visitor access in the production
 - Discretion about current and previous projects

Why become an Idé-Pro customer?

- Market leader in prototypes in Scandinavia
- Technically and professionally competent
- In-house production with corresponding flexibility
- Competitive and innovative
- Credible and reliable partner throughout the entire process

Thank you for listening