



Company profile

History

- 1947-1951 Eye-glasses production
- Since 1955 Battery production
- 1956 Formation of our Company
- Member of LNH Vrbnopod Pradědem plastic parts producers group
- Processing of thermosets by compression molding and transfer molding
- 1958 Start of molds production in our own Toolshop
- 1984 Thermosets processing by injection molding
- 1990 LINASET, state-owned enterprise
- 1991 Thermoplastics processing and assembly lines
- 1993 LINASET, joint-stock company
- 1994 Certification according to norm ISO 9001 by RWTÜV Essen as the first plastic-processing company in the Czech Republic



History

- 2001 opening of the second plant in Bruntál
- 2003 certification according to ISO / TS 16949: 2002 from SGS Hamburg
- 2006 certification according to ISO 14001: 2004 and OHSAS 18001: 1999 standards from SGS Hamburg
- 2007 opening of the third plant also in Bruntál
- 2008 opening of a training center in Budišov nad Budišovkou
- 2010 expansion of the injection molding plant in Bruntál
- 2012 modernization of the Toolshop in Budišov nad Budišovkou
- 2014 construction of a new injection molding hall for BMC and SMC materials in Budišov nad Budišovkou
- 2016 opening of a new expedition hall in Budišov nad Budišovkou
- 2018 expansion of the injection molding plant in Bruntál



Company profile

- For more than 60 years, we have been satisfying the needs of customers on the domestic and foreign markets in the field of supply of molds and precision technical moldings from thermoset and thermoplastic materials, especially for the automotive and electrical engineering industries.
- At the time of its founding in 1956, the company processed thermosets using compression molding and transfer molding technologies. To support this type of production, we have expanded our offer to include the production of molds in our own tool shop.
- Since 1984, we have also been processing thermosets by injection molding.
- Due to the growing demand on the market, in 1991 we expanded our services to customers with thermoplastic injection molding technology and assembly lines for parts assembly.
- In 2001, we opened a new assembly plant in Bruntál. Due to the development of our company and the growing needs of our customers in the field of assembly and plastic injection, we have decided to expand our production capacity.
- In 2007, we put into operation another, third plant, in Bruntál. In 2010, we expanded it with additional thermoplastic injection molding machines.
- In 2014, we expanded the thermoset injection molding plant and in 2016 we built a new expedition hall.
- 2018 expansion of the injection molding plant in Bruntál - opening of a new hall.



Quality assurance system

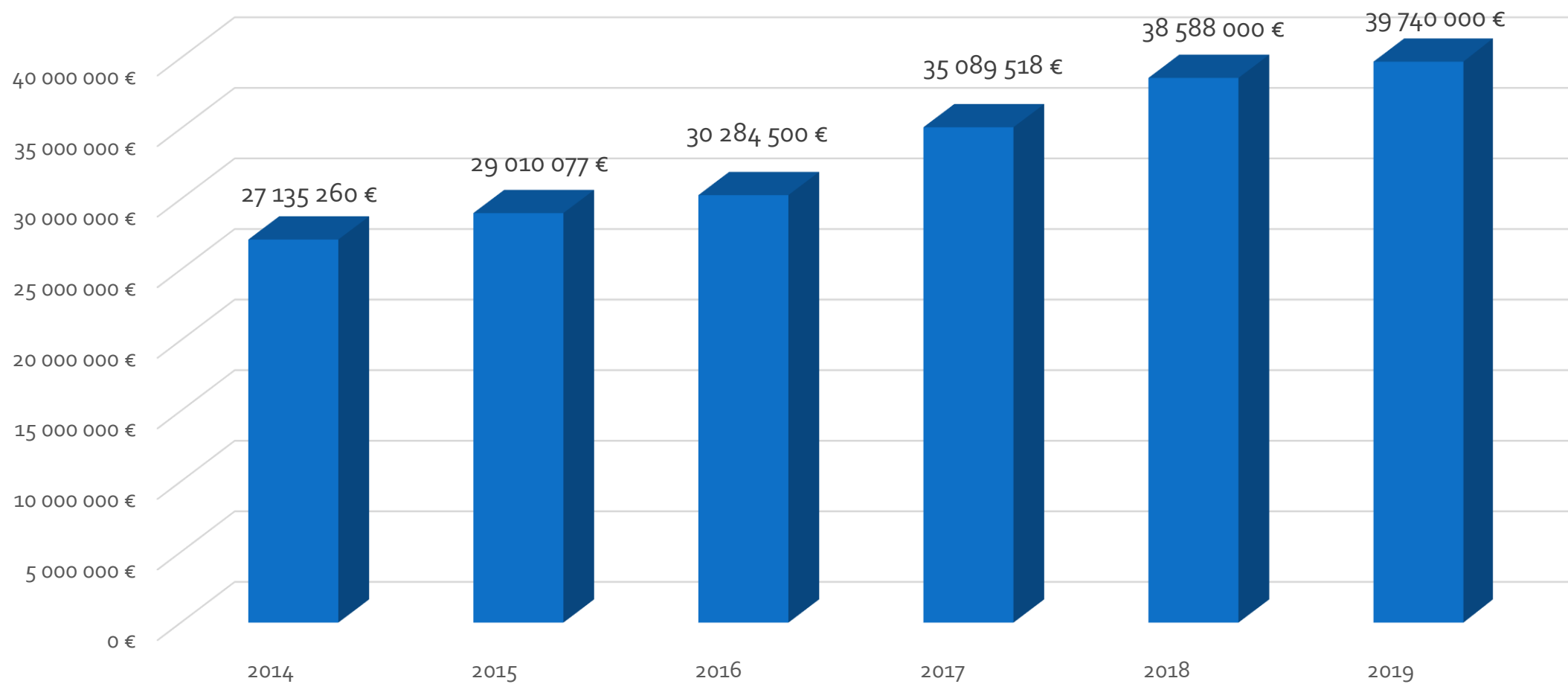
- We have always placed great emphasis on the quality of our products and services, which is why we have implemented a quality assurance system according to the ISO 9001 standard. We were certified by RW TÜV Essen in June 1994 as the first plastic processing company in the Czech Republic.
- In June 2006, we were successfully certified according to the new standards ISO / TS 16949: 2002, ISO 14001: 2004 and OHSAS 18001: 2007. The certification was performed by SGS Hamburg.
- We are able to meet all requirements arising from VDA standards and the QS 9000 series.
- In June 2018, we successfully passed recertification audits of IATF 16949: 2016, ISO 14001: 2015 and OHSAS 18001: 2007. The certification was performed by TÜV NORD CERT GmbH.
 - EN ISO 9001:2015
 - EN ISO 14001:2015
 - IATF 16949:2016
 - BS OHSAS 18001:2007

We offer

- Production of compression and injection molds
- Molds and tools repairs
- Injection molding of thermoplastics
- Injection and compression molding of thermosets including BMC and SMC materials
- Assembly of components, including ultrasonic welding and laser and pad printing (tampoprint)



Turnover 2014 - 2019



Investments in 2015 - 2019

Year	2015	2016	2017	2018	2019
Investments	2 648 196 €	1 542 039 €	1 254 549	11 236 706 €	221 373 €

Structure of products by industry in%

Industry	2015	2016	2017	2018	2019
Automotive industry	44,4%	50,5%	48,5%	45,4%	52,8%
Electrotechnical industry	29,2%	27,5%	25,9%	17,5%	15,5%
Home appliances	22,4%	19,5%	17,6	19,4	18,6
Others	4,0%	2,5%	8,0%	17,7%	13,1

Employees

- Linaset, a.s. total 650
- Plant Budišov nad Budišovkou 315
 - Toolshop 85
- Plant Bruntál 250



Toolshop

- We have a strong background in our own construction, where we make drawing documentation for the production of molds
- In the CAD / CAM department, we create 3D models of moldings and shaped parts of molds and prepare programs for CNC machines
- In the construction department we use modern and regularly updated CAD systems and software equipment (CATIA V5 R24, SOLIDWORKS 2010, RHINOCEROS 4.0, AUTOCAD 2006, CADMOULD 7.0.12, KOVOPROG 4.12)
- We use all common formats for data transfer (IGES, STEP, DWG, DXF)
- We provide drawing documentation with regard to the best technical solution of the tool with the use of long-term experience and know-how
- We emphasize maximum tool lifetime and productivity
- To prevent the solution of possible errors in the construction of molds, we perform:
 - Design FMEA
 - Cadmould analysis
- Modern equipment and technology, as well as highly qualified experts, guarantee precision in the production of molds
- The Toolshop has an established and certified quality system according to the ISO9001 standard
- Maximum weight of molds up to 10 tons
- The rich experience of our toolmakers guarantees a long service life of the molds produced with easy maintenance



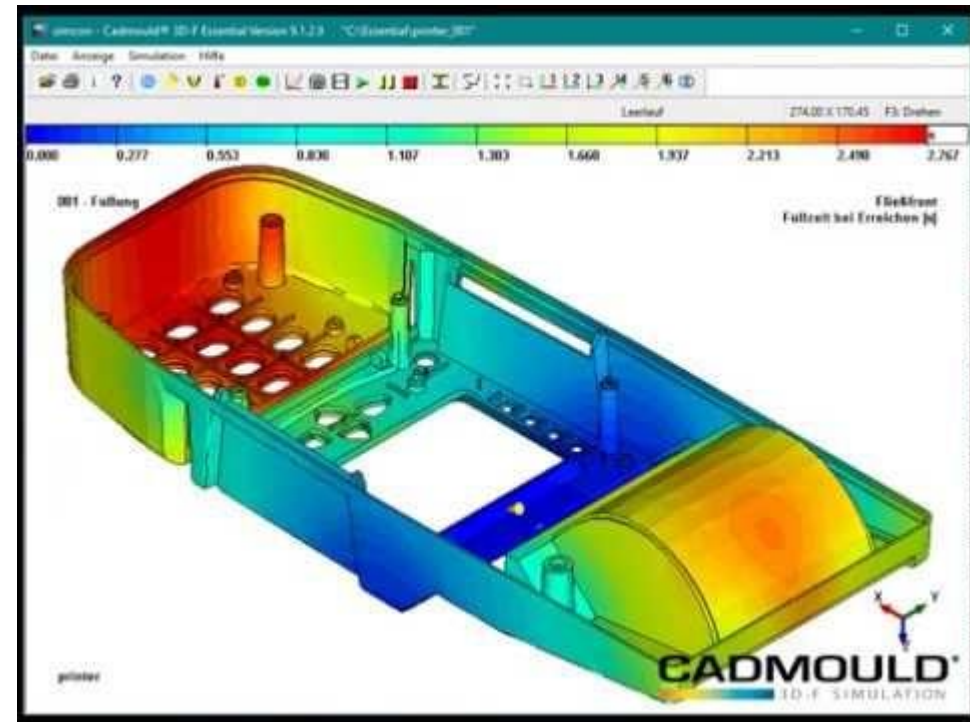
We also offer

- Cooperation in part development (CAD support, Cadmould analysis)
- Production of prototype molds and tools, including prototype parts
- Production of molds and tools for serial production, including samples and measurement protocols
- Production of measuring and calibration jigs
- Service for the entire lifetime of the tools
- Possibility of cooperation in the areas of CNC machining, wire cutting, EDM spark erosion, deep hole drilling, welding, etc.



Cadmould analysis

- We also offer computer simulation of plastic molding filling:
- In the development phase (assessment of the part design, gate location, raw material selection, filling problems, deformation and measurement)
- In the RFQ phase (assessment of production cycle time, statement on the drawing documentation according to the calculated deformations)
- In the mold construction phase (assessment of cooling circuits, dimensioning of gate system, negative deformation output)



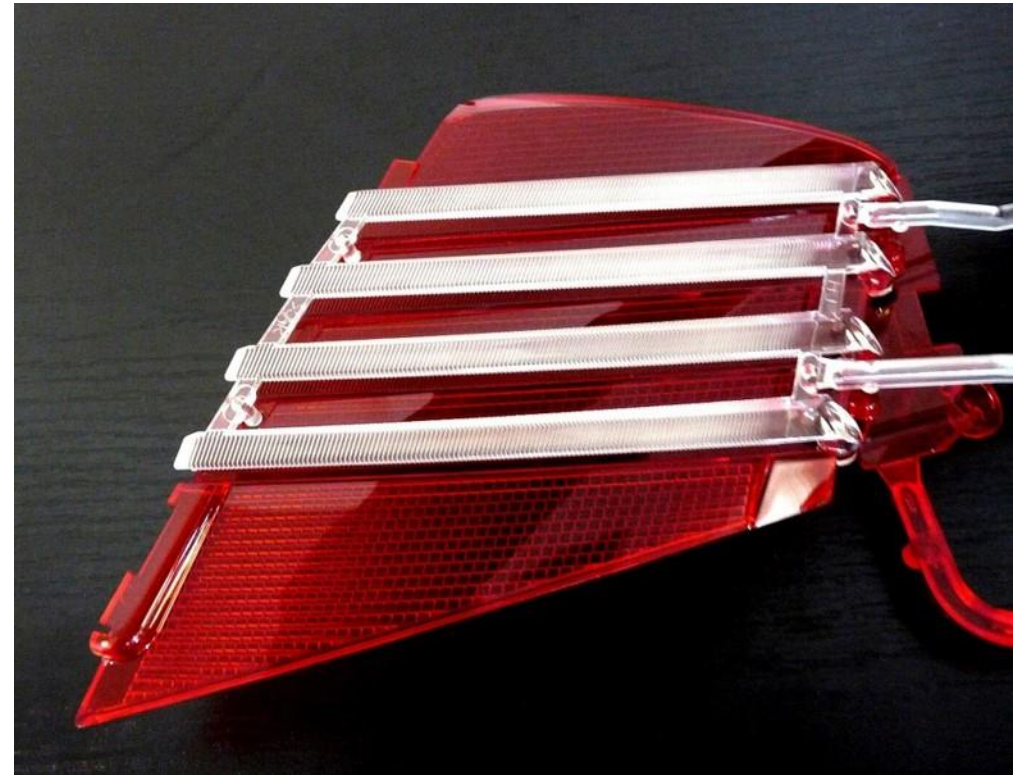
Thermosets

- We produce thermoset moldings:
- By injection molding on modern fully automated ARBURG and ENGEL machines with a clamping force of 40 to 220 tons
- By compression molding on FAHRBUCHER and LAUFFER machines with a clamping force of 150 to 200 tons
- We provide the final parts cleaning not only in the traditional way, but also by blasting on modern RÖSLER, ISPER and HUNZIKER machines and dry ice
- We process all traditional thermoset materials, including BMC, SMC, even with long glass fibers



Thermoplastics

- We produce thermoplastic moldings on modern fully automated injection molding machines ENGEL, ARBURG and KraussMaffei
- We have machines with a clamping force of 45 to 700 tons
- We dispose with 2K injection technology
- We process most engineering plastics except PVC



Assembly

- On assembly lines, we assemble sets not only from plastic, but also metal components
- Assembly workplaces are equipped with appropriate control devices
- Ultrasonic welding is also part of the assembly offer
- In addition to assembly, we can also offer printing of parts by pad printing (tampoprint) or laser
- We perform assembly on both assembly lines and workplaces provided by customer and provided by us



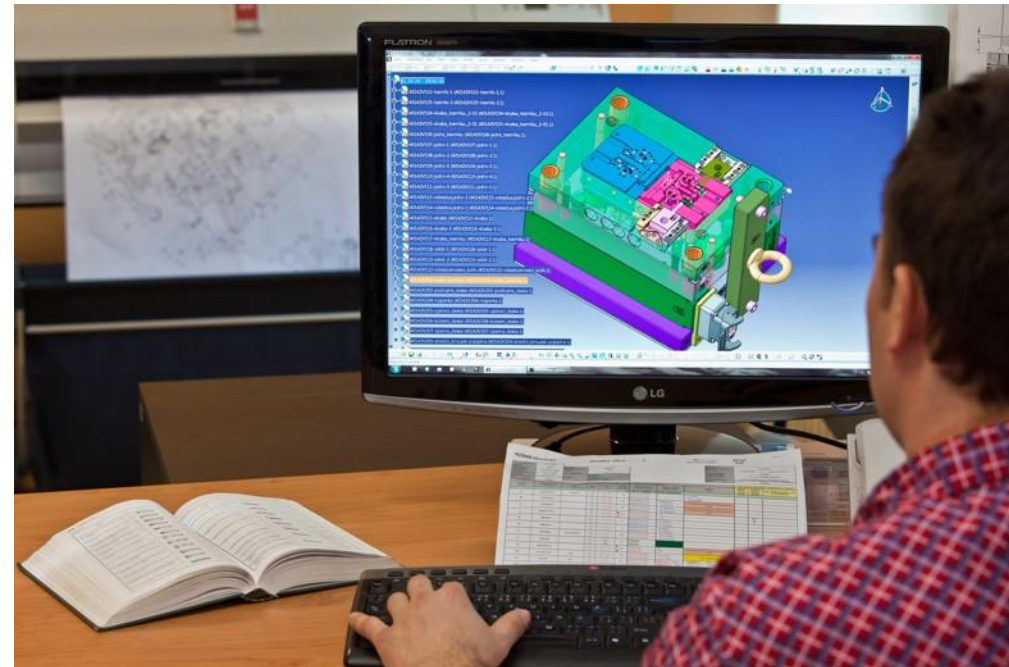
Quality

- We emphasize the high quality of our products and services provided to customers
- We work with suppliers to ensure quality and timely deliveries of inputs
- We have modern measuring equipment
- We work on continuous process improvement
- We have successfully passed customer audits of Robert Bosch, Varroc, Continental, Automotive Lighting, Mahle Behr, UFI Filters, ABB, Schneider Electric, Siemens
- All activities of our company are aimed at the most stable position on the market



Realized projects

- Automotive industry:
 - Pedal systems (Robert Bosch)
 - Wiper systems (Robert Bosch)
 - Fuel systems (Robert Bosch)
 - Air-conditioning and cooling (Robert Bosch, Mahle Behr)
 - Lightpipes, reflector lamps (Varroc, Automotive Lighting, Koito, HELLA)
 - Ashtrays (Opel)
 - Interior parts (Grupo Antolin)
 - Sensor parts (Littelfuse LT UAB)
- Electrotechnical industry :
 - Cases, contactors, circuit breakers (ABB, Siemens)
- Home appliances:
 - Plastic parts of home appliances (Braun, De'Longhi)
- Aerospace industry:
 - Measuring devices (Honeywell Aerospace)



Contact

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 - Toolshop
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 - Assembly
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 - Assembly