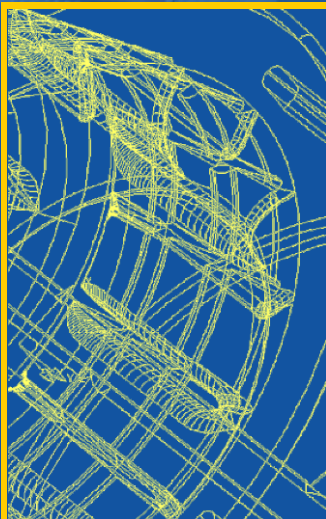




LPH a.s.
plastic parts & assembly

COMPLEX SOLUTIONS IN THE AREA OF PLASTIC PART



**DESIGN &
PROTOTYPING**



**MOULD DESIGN &
MANUFACTURING**



**INJECTION
MOLDING**



**ASSEMBLY AND
FINALIZATION**

ISO 9001:2000 CERTIFIED

ISO 14001:2004 CERTIFIED



WHO WE ARE?

- The main business purpose of our company is production of plastic presswork, including the assembly of complexes
- We are a private company with a 100%-share of Slovak capital
- LPH, a.s. company has operated on the market since 1995. We started with the supply of plastic parts for Calex refrigerators, later the company performed assembling for white equipment on a sub-contract basis



•On the break of 2006 and 2007 we built a new industrial hall in Poprad-Matejovce specializing in the production of injection moulding parts and assembling.

•Including our affiliates we create a production group which provides its clients complex solutions in the area of plastic parts, ranging from a design creation, prototypes, manufacturing of moulds, validation, plastic injection moulding, assembling to logistics.

The following legal entities operate within our group:

- 1. prešovská nástrojareň s.r.o., with registered office in Prešov - production of moulds and tools
- LPH Vranov n/T s.r.o., Production plant at Vranov n/T - plastic injection moulding
- RPIC - counseling and information centre at Prešov - EU projects and funds

Our priorities: Complex offer /Flexibility /Production quality /Technologies advancement/Drop of costs



DESIGN & PROTOTYPING

- We co-operate in a stage of design creation for the parts in order to eliminate the subsequent manufacture costs
- We combine the parts into one production unit
- We search for the most favorable material solutions
- We alternate the materials - e.g. aluminium and its alloys with plastic-based materials
- We provide tools for the manufacture of prototypes in order to validate draft designs

MOULD DESIGN & MANUFACTURING

- Company 1. Prešovská nástrojareň, as the LPH Group member, is our main supplier of tools, moulds and other tool services.
- Business scope of this tool plant: Moulds manufacture of up to 5000 kg. Dimensions: 800x1000x800 mm. Manufacture structure: moulds for thermoplastic, thermo-sets, bi-components.
- Analytical operations MOLD-FLOW, strength calculations...
- Technological equipment: 7 EDM of AGIE machines (spark and wire cut), 3 machining CNC DECKEL centers
- More information: www.1pn.sk

INJECTION MOULDING

- LPH has a wide range of technologies for plastic processing. It owns technologies for:
- the processing of thermoplastic by injection moulding
 - processing of two kinds of thermoplastic by concurrent injection - so called bi-injection
 - Processing of thermo-sets by injection moulding - FAHRBUCHER technologies
 - Thermo-sets processing by direct pressing
- Our Company pays great attention to innovations and up-dating of technological equipment.



QUALITY:

- Our company prioritizes the observation and advancement of quality principles and pro-activity towards our customers.
- Since December 6, 2007, the company has been certified in compliance with the following standards: ISO 9001:2000 and DIN ISO 14001: 2004.
- The Company's equipment is rather wide in this respect, focusing on the statistical methods of assessment. 3D measurement apparatus, digital micrometers and slide meters connected to statistic regulations programs, METTLER-TOLEDO weighing scales and various other metrological and laboratory equipment.
- Deriving from the maxim that quality must be created, we invest considerable means into quality production technologies as well as training and education of our employees. This aim governs also current company activities



such as introduction of the process management model and application of the six sigma methods ...

TECHNOLOGIES IN LPH:

Our company pays considerable attention to innovation of technologies and its related productivity and stability of process, providing for production quality. Table below supplies a referential overview of technologies.

MACHINE TYPE	CLAMPING FORCE (TONS)	PCS.
Demag ET 1000/1400 - 11500 system	1100	1
Demag ET 800/1120 - 6400 system	880	1
Demag ET 800/1120 - 6400 system	880	1
DEMAG 650-1000-5200	720	1
Demag ET 420/810 – 2300 concept top	460	1
DEMAG 250	280	1
Demag ET 125 – 480 NC4	150	1
Demag ET 120 – 430 EcQ	130	1
CS 195/100	100	1
ARBURG 25T	25	1



ASSEMBLY, PRINTING, WELDING ...

The original production program LPH concentrating on the injection moulding of plastic is currently intensively up-dated to higher finalization of the output product, especially towards the assembly sets and sub-sets. There are currently on-going projects also for the branches of office equipment and vehicle industry.

The assembly premises prepared cover an area of 400 m2.

In course of assembly operations we also offer the following operations:

- Coating parts
- Ultra-sound and vibration welding

MEASUREMENT AND TESTING

Within the requirements quality of manufacture parts, individual as well as sets of parts in form of assembled units, we provide for testing whether the quality requirements for the product have been complied with: For example:

- Testing of input material parameters
- Testing of the qualities of pressed parts - color haze, light permeability, surface structure ...
- Testing of qualities of the sets - various loading forces, volumetric measurements ...

LOGISTIC & TRANSPORT

The LPH company fulfils orders of its clients in form of components supply for manufacture lines.

We are fully aware of our responsibility for early delivery of goods, and we take the best efforts to subject all our activities to this requirement, from the point of view of production scheduling and material availability.

We perform our deliveries through our logistic, or in co-operation with our business partner logistic.

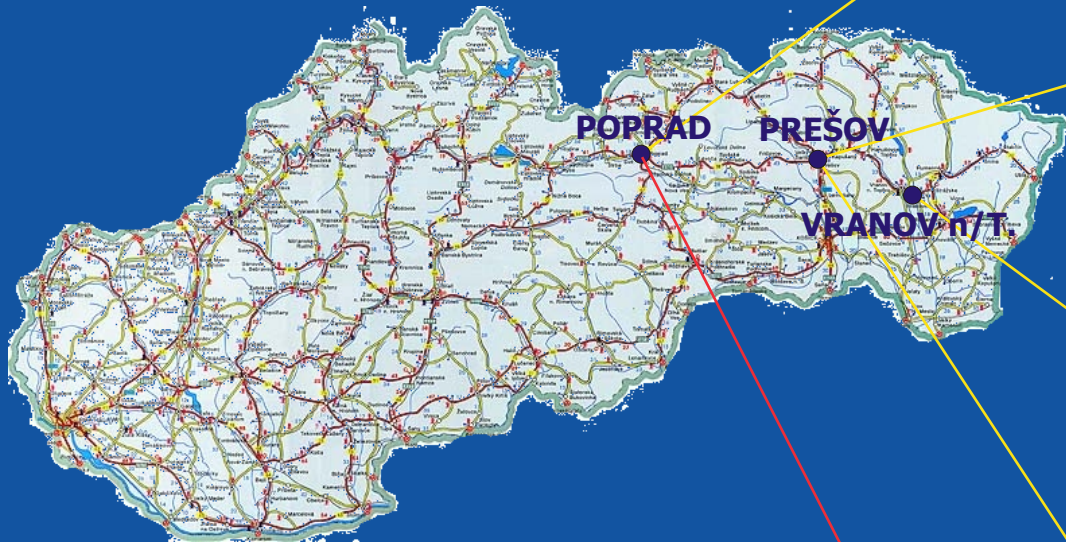
CHARACTER OF PRODUCTION:

We concentrate on the manufacture of load-bearing construction elements of appliances from PP, technical presswork from plastic on a basis of PA 6.6, 11, 12, POM, PBT and parts creating visual surfaces of final products on an ABS, PC basis.



REFERENCES:

Among the most significant LPH customers there should be ranked world-known and domestic producers of garden equipment, white as well as office equipment...



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formy a nástroje
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