



fragokov

TRADITIONAL QUALITY

Company profile

History of the company Fragokov – export, výrobné družstvo started in 1949 when company Východoslovenské ľudové autodružstvo (VLAD) in Prešov was founded. It was engineering company focused on production of components for tractors, automotive and service. VLAD produced brake and clutch cylinders, hydraulic systems and also cabins for tractors. Components was mainly for final assembly of companies like ZETOR Brno, URSUS Poland, ŠKODA Mladá Boleslav, TAZ Trnava, LIAZ a KAROSA. By the end of nineties had the company around 2000 employees.

In 1996 there were transformation of the company and six successional factories have arisen. The main part of the production took over the new subject Fragokov which was until then the main factory of the VLAD. VLAD consisted of seven factories in total before.

Nowadays is Fragokov – export one of the biggest engineering companies in Prešov region. Complete production is located in four production halls and one warehouse with total area more than 9 000 m².

We have quality certificates ISO 9001:2015, ISO14001:2015.

Fragokov – export also owns several utility models for different types of brake and clutch hydraulic cylinders which are valid in Slovakia, Czech Republic and Poland.

Company profile

Basis of the production in company Fragokov - export are three different production programmes covered by three production centres.

HYDRAULICS centre

is focused on development and production of brake, clutch and hydraulic systems for tractors, passenger cars, trucks, forklifts etc. These products we supply for final assembly and also for aftermarket. One of important customers in this area is company ZETOR TRACTORS, which we cooperate with since 1959. Hydraulics centre also offers production and assembly of various products according to customer's requirements, where, in addition to production, we ensure also technological development of the products. It is especially very precise machining of the products for railway, engineering industry and electrical engineering. The main elements of subcontracting production are the production of components for packaging machines and the production of brake controls and brake calipers for trains and metro. This subcontracting production nowadays creates 45% of the production.

TOOLMAKING centre

is focused on development and production of injection moulds for injection moulding machines and production of tools for square and volume forming up to 5 000 kg. We are one of the most experienced tool shop in this area in Slovak Republic.

INJECTION MOULDING centre

is focused on injection of plastic parts according to customer's requirements. Machinery consists of injection moulding machines with clamping forces from 63 to 670 tons.

Fragokov – export disposes of modern CNC technologies (turning machines, horizontal and vertical machining centres, injection moulding machines, electro erosion wire cutting and boring machines and washing machine). We enlarge these CNC technologies each year. Company is also equipped with NC and classical technologies as turning automatic and semi-automatic machines, grinding machines, milling machines etc. Inspection of the products is ensured by modern 3D measuring machine.



Contacts and where we are

Marketing and Sale

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Hydraulics centre

HYDRAULICS centre is the largest production centre of Fragokov – export. The production is located in 2 production halls and creates more than 70% of total turnover of the company



Hydraulics centre

Principal activity of the centre is development, production and sale of brake and clutch cylinders, hydraulics systems and other components for final assembly of tractors (ZETOR) and aftermarket (ZETOR, ZTS, URSUS), passenger cars (ŠKODA), trucks (TATRA, LIAZ) and forklifts (DESTA).

Tractors



Passenger cars

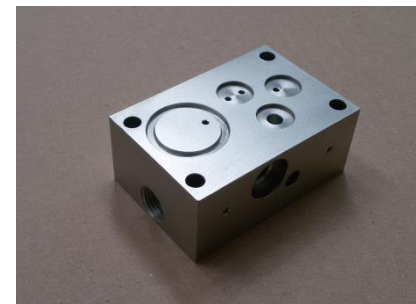


Trucks



Hydraulics centre

Additional activity which offers the centre is precise machining and assembly of the products based on customer's documentation for engineering industry and electrical engineering. This activity creates more than 45% of the production.



Hydraulics centre

Manufacturing activities of the centre are realized by classical and modern CNC technologies (turning machines, horizontal and vertical machining centres).

CNC turning machines

(max. dimensions of turning: d 500 mm x 850 mm)



OKUMA ESL 10 – 2x



SPINNER TC 77



LEADWELL T8 – 2x



DMG CTX 410



CITIZEN A32 Cincom



CITIZEN L32 Cincom

CNC horizontal and vertical machining centres

(max. dimensions of milling: 800 x 700 x 750 mm)



OKUMA MF 46 VA – 2x



SPINNER MC 650



OKUMA MA 400 HA



OKUMA MB 5000 H



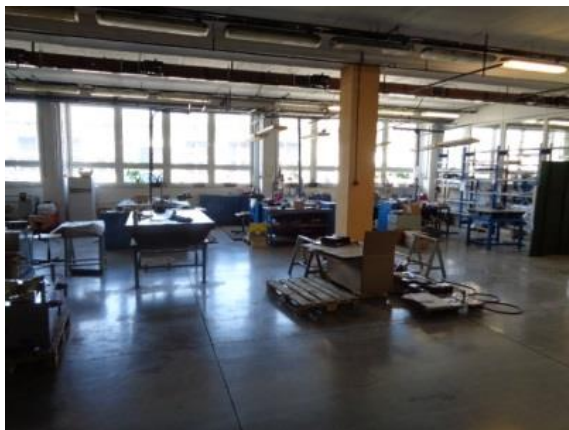
DMG DMC 50 H



DOOSAN NHP 5500 – 2x

Toolmaking centre

TOOLMAKING centre is the second largest production centre of Fragokov - export.

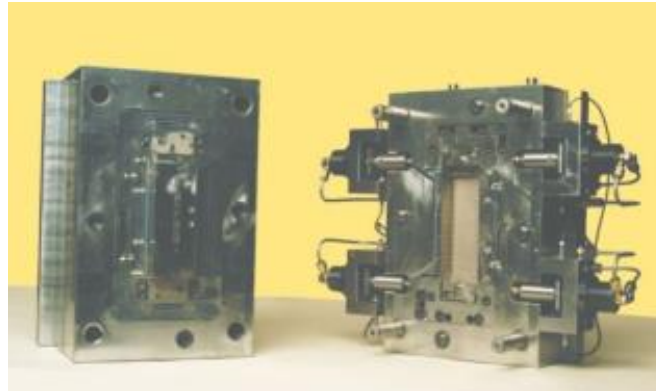
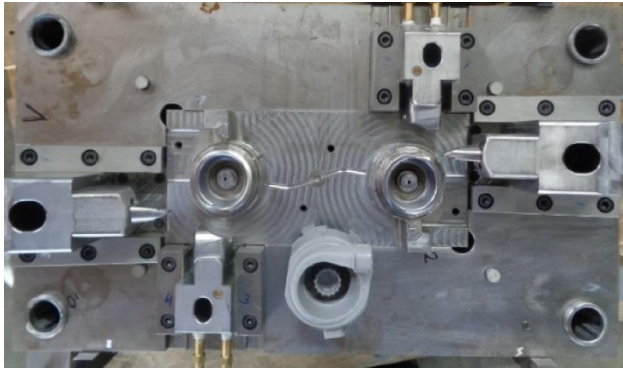
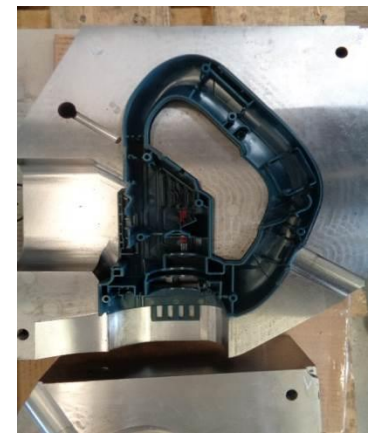
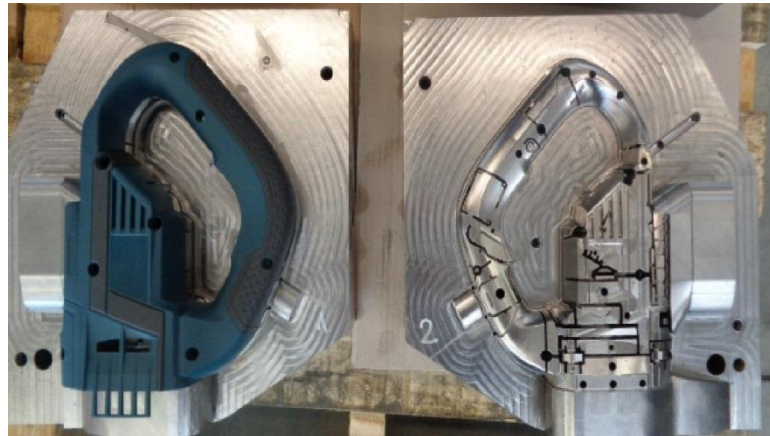


Toolmaking centre

Principal activity of the centre is development and production of injection moulds 1K, 2K and also 3K for injection moulding machines, production of tools for square and volume forming and production of moulds for foundries.

Maximal weight of the moulds and tools: 5 000 kg. .

Maximal dimensions of the moulds and tools: 1 650 x 810 x 810 mm.



Toolmaking centre

Manufacturing activities of the centre are realized by classical and modern CNC technologies (machining centres, electro erosion boring and wire cutting machines etc.).

CNC machining centres



MCFV ZPS TAJMAC



DMG DMC 103 V



HERMLE C 40 U (5-osé)



MIKRON MILL S500

CNC electro erosion wire cutting and boring machines



FANUC Robocut C600iA



Charmilles FORM 300



Charmilles FORM 35 P



Charmilles ROBOFORM 400



Charmilles ROBOFIL 4000

Injection moulding centre

Injection moulding centre is the smallest production centre of Fragokov - export.

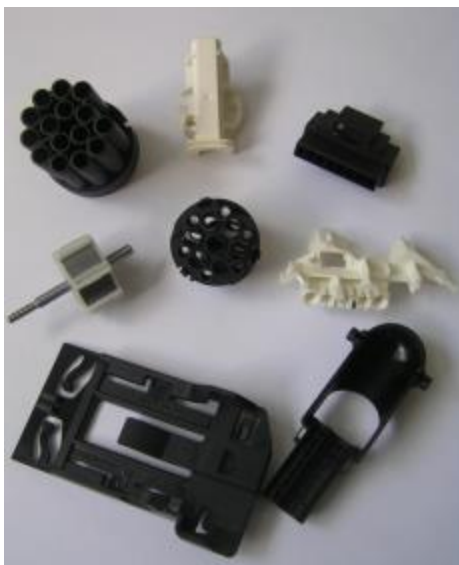


Injection moulding centre

Principal activity of the centre is production of plastic parts according to customer's requirements from different industries: automotive, electrical, household etc.

Maximal weight of the plastic parts: 2,1 kg.

Used materials: ABS, PA, PBT, PC, PE, PP, PS, SAN, TPE...



Injection moulding centre

Manufacturing activities are realized by hydraulic and all-electric injection moulding machines. Maximal clamping forces: 63 – 670 tons.



ZHAFIR VENUS 2300



ZHAFIR ZERES 2300



BATTENFELD 670



**2-components
injection moulding
machine**

**WITTMANN
BATTENFELD**

SmartPower 350



MET 100 MITSUBISHI



MET 180 MITSUBISHI

Quality department

Quality department controls the highest quality of our products. Part of this department is also measuring department. Company uses circa 2 500 different gauges with different precisions:

- Callipers, micrometres, parameters, depth gauges, height gauges, two and three-points micrometres
- Gauges: screw, snap, pitch, cylindrical, air, setting rings and cylindrical gauges, rotameters
- Bevel protractors and set squares
- Gauge: blocks, gap, radius
- Granite surface plates, sinusoidal and knife edge straight edges
- Hardness testing machines RB1
- Testing stands and pressure gauges
- Working microscope
- Scales and humidity analyser
- Thermometers (contact and contactless)
- Surface roughness tester (SJ 400 a SJ 201)
- Universal length machine ULM 02-600



For high levels of precision we use special measuring devices:

- CMM DEA Global Status 07.07.07
- 3D measuring machine Mitutoyo 198-501
- Contour measuring station MarSurf XC20, MAHR



Markets

63% of the production goes for export

Hydraulics centre

Annual production: more than 500 000 pcs of products

References:

Faiveley Transport a Wabtec company (Germany, France, Italy, Czech, Switzerland)

Toyota Material Handling Sweden

Zetor Tractors

ZF Group - TRW Automotive Czech

Windmüller & Hölscher

Injection moulding centre

Annual production: more than 3,2 mill. pcs of products

References:

BSH Drives and Pumps

SaarGummi (Slovakia, Czech, Russia)

Plastiflex

Gutmann



Toolmaking centre

Annual production: 30 – 40 pcs of moulds/tools

References:

SaarGummi (Germany, Slovakia, Czech, Russia)

Ehlebracht

Uniplast

Gutmann

Quality systems



1998 – Start of the QMS building-up by STN EN ISO 9000

1999 – Certificate ISO 9001:94

2000 – Certificate VDA 6.1

2003 - Certificate ISO 9001:2000 and VDA 6.1

2010 – Certificate ISO 9001:2008 and VDA 6.1

2015 – Certification ISO 14001:2004

2017 – Certification ISO 9001_2015 and VDA 6.1

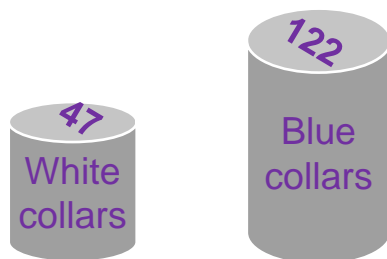
2018 – Certification ISO 14001:2015

Regularly performed customer's audits

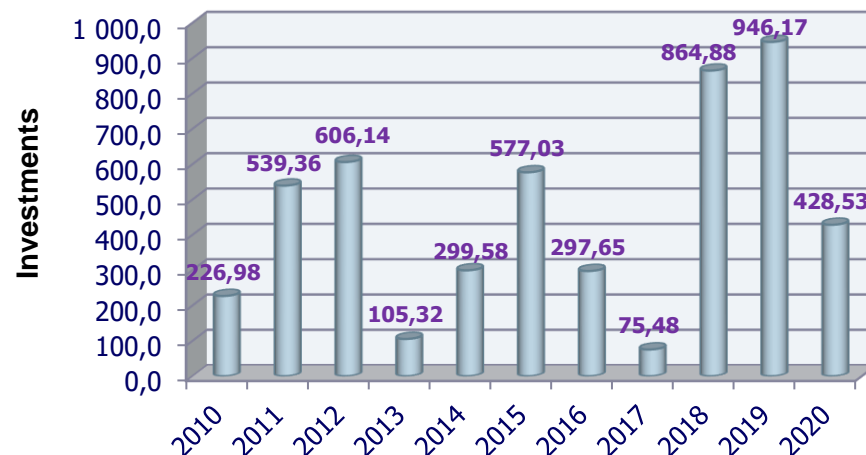
Fragokov – export, v. d. in numbers

- Average number in 2020:

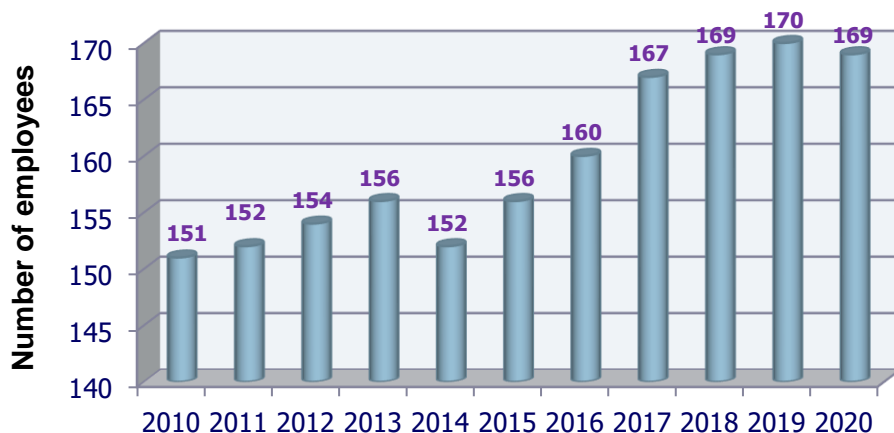
169 employees



Investments 2010 - 2020 in thousands €



Number of employees 2010 - 2020



Revenue 2010 - 2020 in mil. €

