

17,5X

RESIF

3X

7X

2X

SMART PRECISE MACHINING

X

1993

Established

>11 000

Hours per month

>50

Machines

170

Employees

ISO 9001:2015

Quality management system





Company structure

- Technological bureau
- Production preparation department
- Machining workshop
- Express department
- Locksmith workshop
- Finishing workshop
- Heat treatment
- Electroplating workshop
- Subcontracting department
- Quality control department
- Calibration laboratory

Technological bureau

- Development of technologies for parts and assemblies
- Controlling programs for machining centers development (3, 4 and 5-axis)
- Development and validation of 3D models
- Reverse-engineering



Domains



Aerospace

Parts and assemblies for aircrafts(France), Helicopters (Germany), aircraft overhaul factories (Russia, Belarus)



Food industry machinery

Parts for food processing equipment (Russia, Belarus)



Optical instruments

Hulls, optical pairs and other parts for optical devices (Russia, Belarus, Israel)



Shipbuilding

Sea research apparatus parts (France, Russia)



Aviation Engines

Jet engines parts (Russia)



Medical industry

Implants and surgery equipment production (Belarus)



Production preparation department

- Provision with special or universal kits
- Tool kits preparation
- Special tools engineering
- Tool setup and measurement on ZOLLER equipment

Milling CNC centers

- More than 30 milling centers (3, 4 axis)
- Tolerance – up to 0,005 mm
- Machined dimensions: 700x800x1250 mm





Turning CNC centers

- Turning centers by CINCINNATI, HYUNDAI, Mazak, ROMI
- Universal lathes
- Tolerance – up to 0.005 mm
- Machined dimensions: $\varnothing 600 \times 600$ mm

Materials we process

- Titanium and aluminum alloys
- Structural and stainless steel
- Plastics
- Magnesium, brass, bronze etc.
- Certificated materials only





EXPRESS

One day only.

This is how fast we can proceed an order in our Express department.

Resif Express is:

Our best experts and operators just to meet our clients' requirements in shortest possible time with no quality loss



Locksmith and assembly workshop



Intermediate and final operations:

- deburring
- drilling
- thread cutting
- polishing
- Holes deployment
- grinding
- straightening
- Assembly works etc.



Finishing

Unique for Belarus TROWAL finishing workshop , 11 baths for parts up to 1500 mm.

- Edges rounding to 0,2mm (plastics, aluminum alloys)
- Machining traces removal
- Surface preparation for coatings

Electroplating

- Hard anodizing
- Salt spray chamber for corrosion resistance
- Anodic-oxide and chemical coatings of aluminum alloys
- Stainless steel chemical passivation
- Steel zinc coatings
- Tolerances preservation



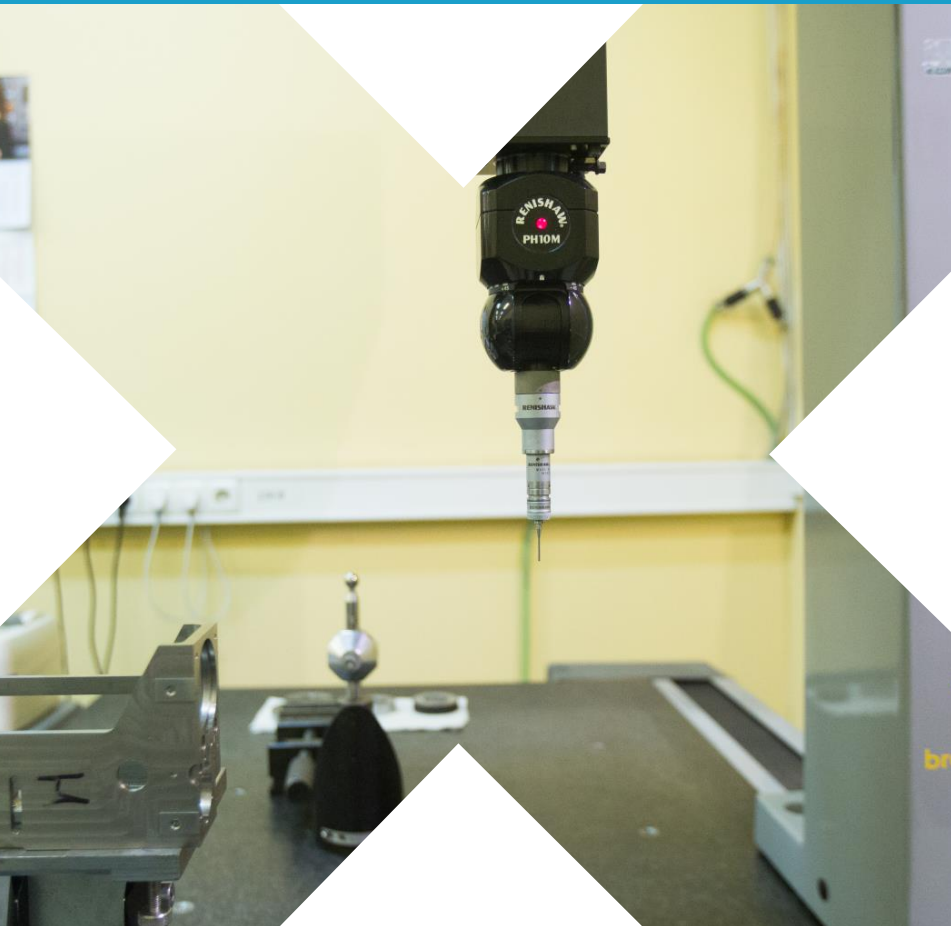
Heat treatment

- Hardening
- Structural improvement
- Annealing
- Normalization
- Cementation
- Vacuum heat treatment
- Uterna furnances, max. t - 1200°C

Subcontracting department

- Services that we cannot handle at our own facilities are transmitted to our trusted subcontractors under RESIF's full responsibility
- Our subcontractors undergo regular audits by RESIF
- Services proceeded by our subcontractors undergo severe control of our quality control department





Quality control department

Our goal is to provide excellent quality of released products

- 3D measuring systems (accuracy 0,003 mm);
- Measuring columns on air cushion (accuracy 0,002 mm);
- Microscopes
- Hardness testers;
- Profilometers etc.

Quality management system



Since 2004 our Quality Management System is being confirmed by ISO 9001 certificate.

Calibration laboratory



- Our calibration laboratory is accredited in accordance with ISO/ IEC 17025.
- All of our calibration devices are regularly checked and undergo certification
- Laboratory provides measurement devices and equipment calibration services

We can more

- Raw material cutting on band saws
- Flat grinding (200x630 mm)
- Centerless grinding (\varnothing 2-30 mm)
- Gear hobbing (up to module 2, max \varnothing 160mm)
- Other technological operations

We constantly master new operations and technologies



Smart precise machining

27 years of experience

Metalworking with tolerance up to 0,005 mm

More than 4 000 unique parts per year

We are not just a supplier

We are a trusted expert for our partners





RESIF

SMART PRECISE MACHINING

We are to do it. Precisely

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