



MECHANICA

PRECISION IN THE DETAILS

Mechanica is a leading private manufacturer of precision engineering machine parts and specialty tooling in the former Soviet Union. We work for the electro-optics, pharmaceutical, automotive, space and aviation industries. Our clients are based in Belarus, France, Germany, Netherlands, Poland, Russia, and the USA.

MECHANICA

OUR STRENGTHS

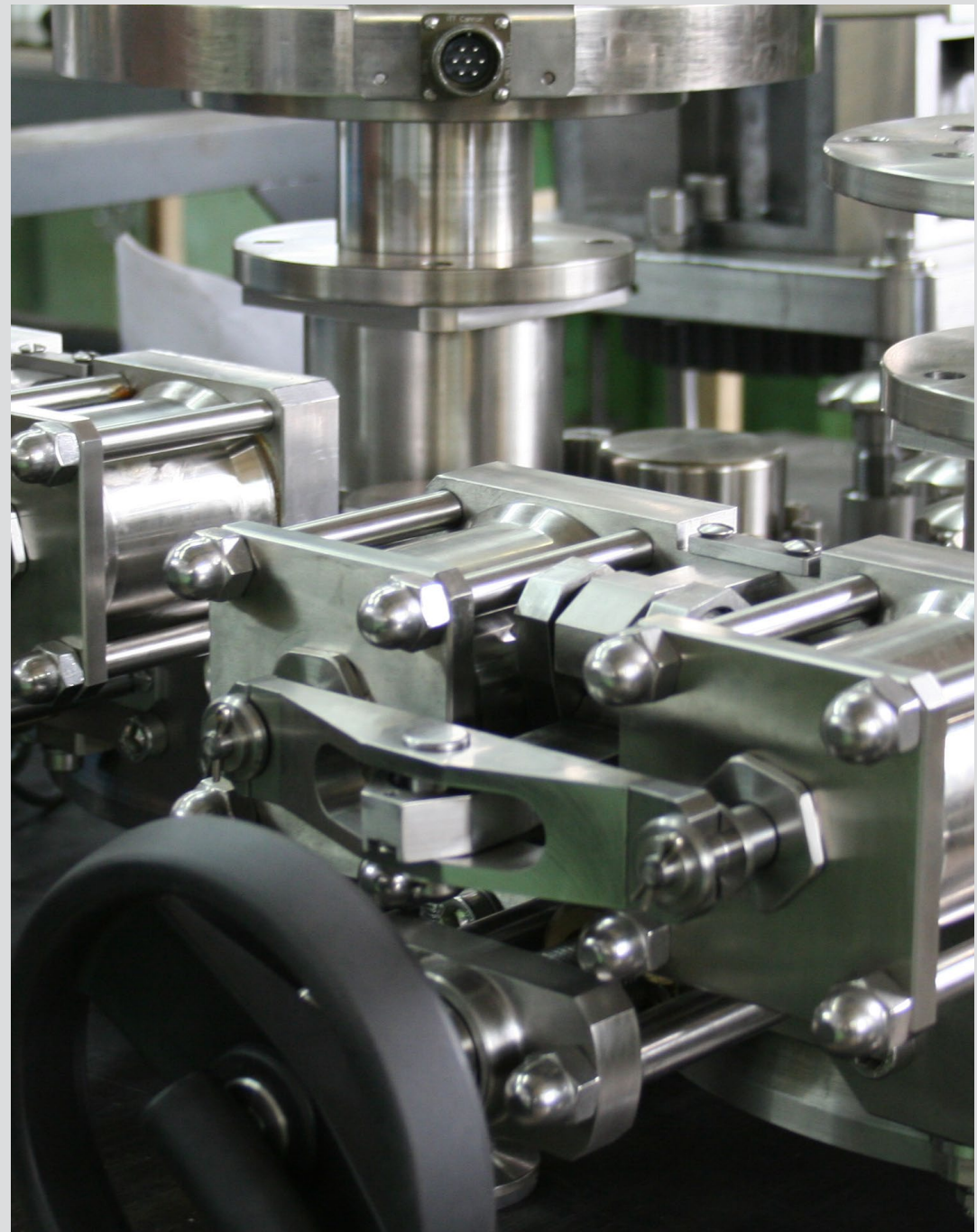




- High precision. 0.002–0.005 mm manufacturing tolerance. Up to 0.002–0.003 mm shape deviation, perpendicularity and parallelism. Up to 0.003–0.005 mm size deviation.
- Machinery and equipment from world's most trusted producers
- 5 and 4-axis machining
- 12 years average employee retention rate
- Capacity 8000 hours/month. Two-and three-shift operation
- Full customs clearance to the EU, USA, Russia. Low shipment rates
- Resident of the free economic zone MINSK with tax and customs duties reductions

SERVICES

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4 / 16



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PARTS AND TOOLING

- Single and small series parts manufactured to customer's drawings (EU standards).
- Lathing, milling, round and flat grinding, electro erosion and fitting.
- Titanium, copper, copper-nickel alloys, tool steels, and other materials.
- High-heat treatment, including in vacuum, thermal cycling, nitriding, treatment of HD.
- Galvanizing and enamel coating.

ASSEMBLY UNITS

Production, assembly, fitting.

- Manufacture and assembly for punches, press moulds, extrusion and injection moulds, blister pack equipment.
- Full range of finishing operations, such as bending, welding, enamel coating.

ENGINEERING

Design and manufacture of complex equipment to automate customer's production processes.

- Newest IT engineering solutions.
- Full technological support.

Examples: equipment for thread extraction from cellulose solution, equipment for rewinding and cutting roll materials for printing.

EQUIPMENT



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6 / 16



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LATHES

WEILER PRIMUS 2CNC,
GILDEMEISTER NEF CT60,
OKUMA LCS15, HYUNDAI
E160LMC, HYUNDAI E200A,
16K20, CW6163C/1000

MILLING

DMG MORI DMF 180/7,
DMG MORI DMU 50 Ecoline,
MORI-SEYKI VM 510, DECK-
EL-MAHO DMC 63V, DECK-
EL-MAHO DMU80P, ROBODRILL
A-T14iE, DOOSAN VM510, HAAS
VF-3, HAAS VF-2BHE, HAAS
VM-2HE, HAAS-TM2, HERMLE
UWF700, HERMLE UWF 1202E,
HECHERT FQX/2 470, MAHO
300

GRINDING

3D711, OSH424, 32K83CΦ10,
TOS HOSTIVAR BU28, 395M1,
3K227A, Threadgrinder 5822M

ELECTRICAL DISCHARGE

ROBOFORM 31, ROBOCUT a-OiD

WELDING

INVERTER MARK 170 Digital,
MEGA ARC2 300-4

THERMAL FURNACE

UTERNA WT140/1200,
UTERNA WT60/1200

CNC SHARPENING

VIBRATORY TUMBLER

VM 150 Y1500

COATING OVENS, DRYING CHAMBER

PLASMA-GAS CUTTING

PRECISION MEASURING EQUIPMENT

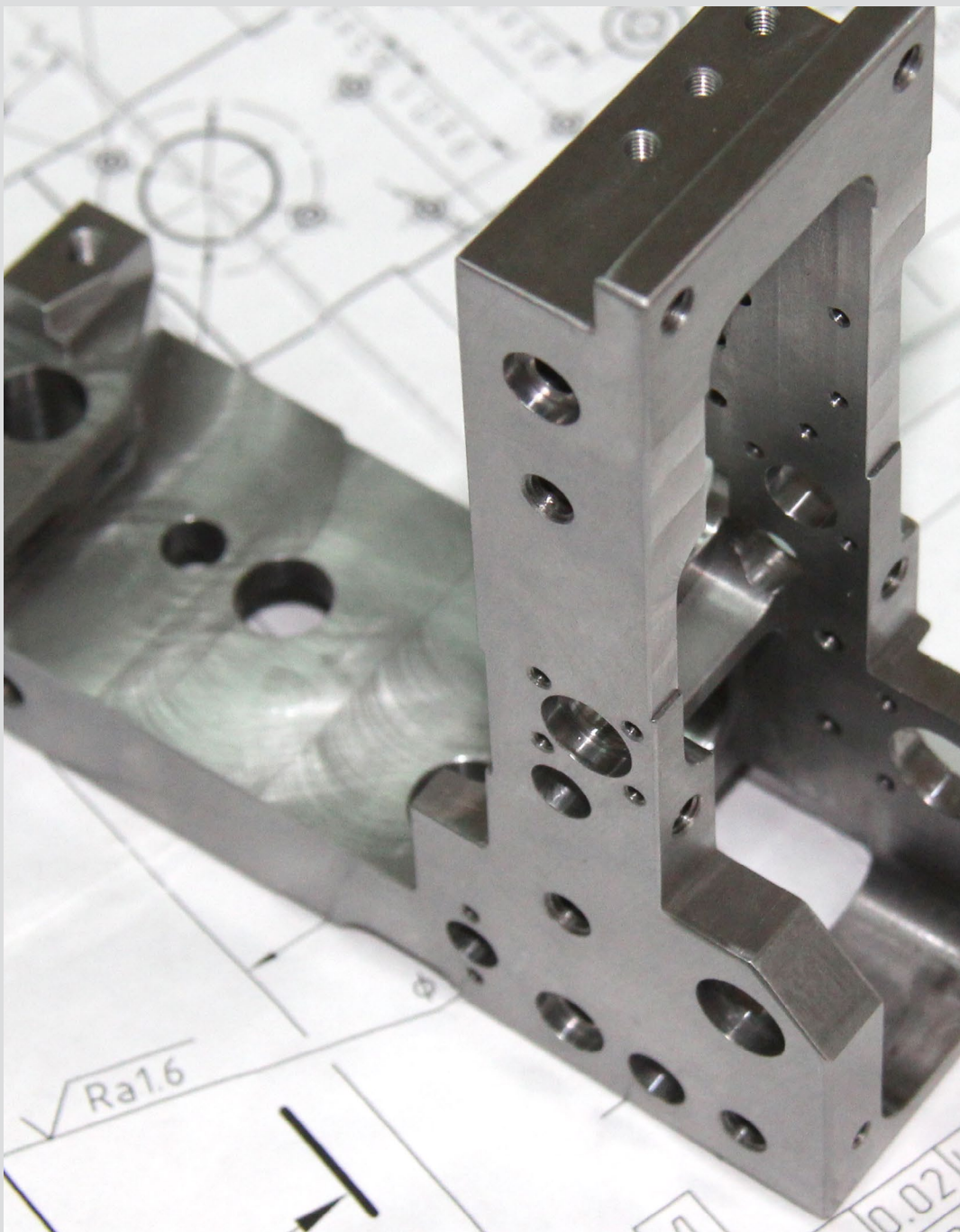
TESA MIKRO-HITE 600,
DIGIMAR CX2, TESA 6604395,
FARO PRIME

CLIENTS

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9 / 16



AUTOMOTIVE INDUSTRY

EBZ SysTec GmbH
ebz-group.com

ELECTRONICS, OPTOELECTRONICS AND OPTICS

“Peleng” Optoelectronics Research and Development
en.peleng.by

“MNIPI” Research Institute for Electronic Tooling
mnipi.by/en/glavnaya

“Display” Construction Bureau
kdisplay.com

“Inertial Technologies for Technocomplex”
inertech.ru/en/about.html

“Planar”
planar.by

PHARMACEUTICALS

Lekfarm
lekfarm.by

Belmedpreparaty
belmedpreparaty.by/eng/

Minskintercaps
mic.by

AIRCRAFT CONSTRUCTION AND REPAIR

“558 Aircraft Repair Plant”
558arp.by/en

“Minotor Service”
minotor-service.by

CONSTRUCTION

“Stroipolimerkeramika”
v-kirpich.ru

SPACE INDUSTRY

Linkos
linkos-tcp.ru/

OIL PRODUCTION

Fidmash
fidmashnov.by/en/o-kompanii/

SHIPBUILDING

Orion NPP.
npp-orion.ru

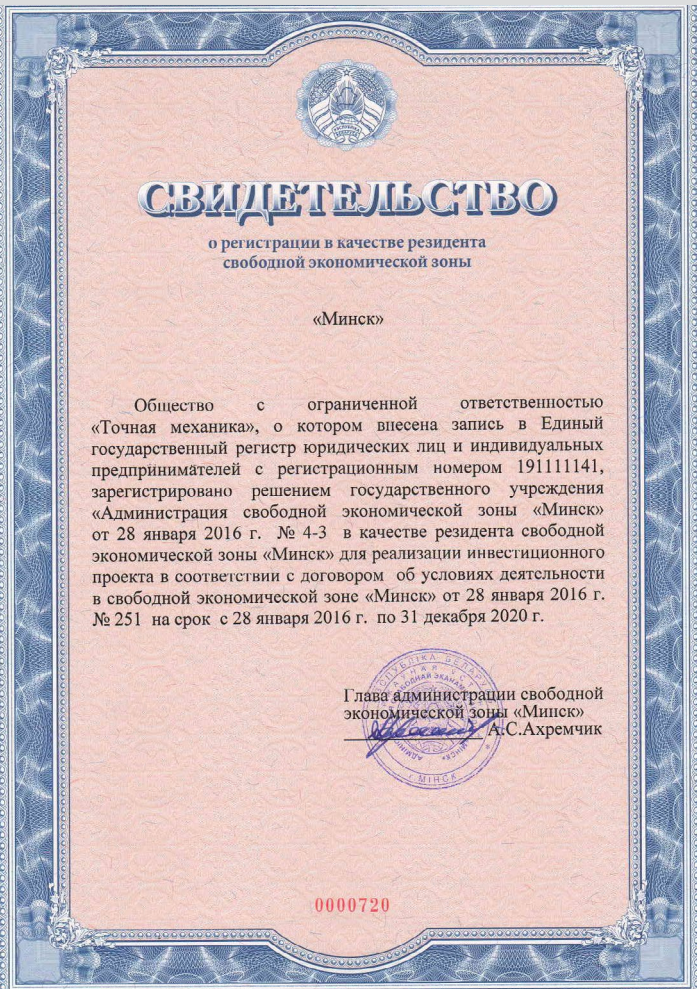
MECHANICS AND TOOLING

UAB «Kauno Staklės»
kaunostakles.lt

PMI Group
pmi.by

CERTIFICATES





OUR VALUES

ABILITY

We are driven by the ambition to produce most technically demanding and sophisticated parts. We take on and deliver orders and products which mainstream companies shy away from. We are proud to achieve the impossible.

PRECISION

Our products are used across life-dependent industries, such as space, aviation, automotive, pharmaceuticals. Precision is our lifeblood. Excellent skills and machinery are our top investment priorities.

TRADITION

Our shareholders represent three generations of one wider family. Our employees stay on average for 12 years. Our mentoring scheme for exchanging experience and ideas between older and younger colleagues is a bedrock of company success.

BACKGROUND

Mechanica builds upon soviet traditions of engineering excellence. Its founder, Victor Leshchenko, saw the end of the planned economy in 1991 as the head of production at tooling factory with over 550+ employees. He went private in 1992, and by 1997, his 140-employee strong company was making parts for incandescent light bulb production for Philips Electronics, with weekly deliveries to the Netherlands. In 2007, incandescent light bulbs were discontinued, and the company found its feel producing parts for automotive production in Germany, tooling for pharmaceuticals industry, and small series parts for optical electronics, space and aviation industry.

CURRENT GOAL

We are looking for a strategic partner with a clear specialty to become their competence centre



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