

IZHREST
INSTRUMENTAL ENTERPRISE



**Design and Producing
dies, moulds,
fixtures
sheet metal stamping**

IZHREST Co., Ltd. Russian Federation, Izhevsk 2015

1. About us / History

Russian Plant of Dies and Moulds "IZH-REST" founded since 2001 is the one of leading manufacturer of high quality tooling. Within 14 years existence our company got experience of work in machining field according to international standards, got own traditions and showed yourself as dependable and conscientious partner.

2.1. Specialization

1. Moulds of any complexity - injection moulds, 2-component moulds, blowing moulds, etc.
2. Dies for cold and hot stamping (forging dies, drawing dies, piercing dies, blanking dies, trimming dies, etc.)
3. Fixtures for any functions (machine, control and so on)
4. Sheet metal stamped parts. The width of work material – under 7 mm.
5. Serial machining parts of any complexity.
6. Machining parts by CNC lathe max. diameter 1600 mm.
7. Gauge tooling (templates, gauges, standard samples, etc).

The maximum possible weight of tools is currently about **25000 kg**.

2.2. Strategy

Development of company. Our goal is producing of rival products to satisfy requirements of customers, by **quality** and **delivery management** and also **the opening of new marketing outlets**.

2.3. Project «Stamping»

Since the year 2007 Izhrest Co., Ltd. realizes – «**Producing of sheet metal stamped parts**». There is uninterrupted yield of «Brake pedal» for AvtoVAZ cars» and rendering of services in stamping for machine industry.

2.4. Our team

Highly skilled staff: 142 persons.

- ◇ Draftsmen and technologists for stamping dies and templates;
- ◇ Maintenance men of stamping equipping;
- ◇ Pressmen, operators, planish men, quality control inspector;
- ◇ Toolmakers, gauger, machine tool operators for reconstruction of useful stamping and control toolings, new production startup.

2.5. Customers

- Gubakha city – «Metaphraks» public corp.;
- Dzerzhinsk city – «Sintez powder parts» Co., Ltd.;
- Dimitrovgrad city – «DAAZ Shtamp» Co., Ltd.;
- Zainsk city – «Mefro wheels Russia plant Zainsk»
- Izhevsk city – «OAG» Co., Ltd.;
- Irkutsk city – branch «NPP»Irkut» public corp.,
- Kaluga city – «Kaluga engine» public corp.;
- Kazan city – «Elecon» public corp.;
- Krasnodar city – «Akvastok» Co., Ltd
- Kingisepp city – «MW Kingisepp» Co., Ltd
- Likhoslavl city – «Likhoslavl radiator factory» public corp.;
- Miass city – «UralAZ» public corp.;
- Moscow city – «Hamilton Standard-Science» PJSC; «VILS» public corp.; «Staty machinery engineering laboraty of I.I.Toropova» public corp.;
- Naberezhniye Chelni – «KAMAZ» public corp.;
- Nizhny Tagil – «NTMK» public corp.;
- Perm city – «Motovilikha factories» public corp., «Trety spetsmash» PJSC, «Proton-PM» public corp.; «Aviadvigatel» public corp., NPO «Iskra» public corp.;
- Rostov-na-Donu city – «Rosselmash» public corp., «Rostvertol» public corp.;
- Ribinsk city – «Russian mechanika» public corp. ;
- Togliatti city – «AvtoVAZ» public corp., «TZTO» public corp., «VAZINTERSERVICE» PJSC, «Faurecia Automotive Development» Co., Ltd., «Polad» PJSC, «TZSK» Co., Ltd., «Simos-ZKS» Co., Ltd.;
- Tutaev city – «Tutaev machinery factory» public corp.;

- Tyumen city – «Tyumen motorostroiteli» public corp., «Rubin-24» Co., Ltd.
- Ulianovsk city – «Aviastar-SP» PJSC;
- Urussu city – «Electrosoedinitel» public corp.;
- Ufa city – «UMPO» public corp.;
- Germany Herzogenaurach – «INA-Shaeffler group»
- USA Dallas – «Fincorp leasing»

2.6. Plant area

- We have own plant area 5 600 м², address: Izhevsk city, Votkinskoye shosse str., 298 (Metallurgic complex);

2.7. Stamping equipment

At present time there are following equipment:

- Crank press machine KOMATSU / 200 t..... 1 pc. / installed;
- Double-crank press machine KA3732 / 160 t..... 2 pcs. / installed;
- Press machine KOMATSU ERFURT PKZZ 800 / 800 t.....1 pc. / the year of commissioning - 2015.

3. Tool producing

Our factory is the **complex autonomous enterprise**, with capacities to repair, **maintenance and equipment, tooling evolvement by ourself.**

There are equipment for following machining methods:

- Vertical lathe D=1400mm, L=1000mm;
- CNC lathe work D=1600mm, L=1000mm;



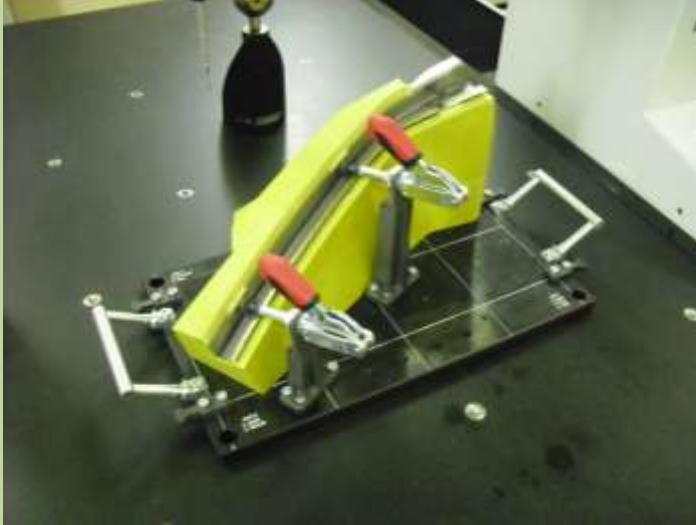
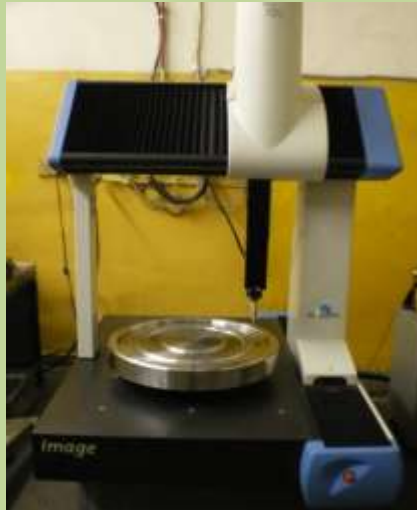
- Coordinate-boring;
- Milling under 5 t. max. overall size 1000 x 1500 x 2500mm;
- Milling CNC machines accuracy 0,01mm, overall size **5000 x 2500 x 1000mm;**



- Electric erosion machining accuracy 3 um by cutting and broaching machines (overall size 1200 x 800 x 500mm) and other machining method.



- Measuring machine "Global image", Optical 3D Scanner "Steinbichler".



4. Preproduction

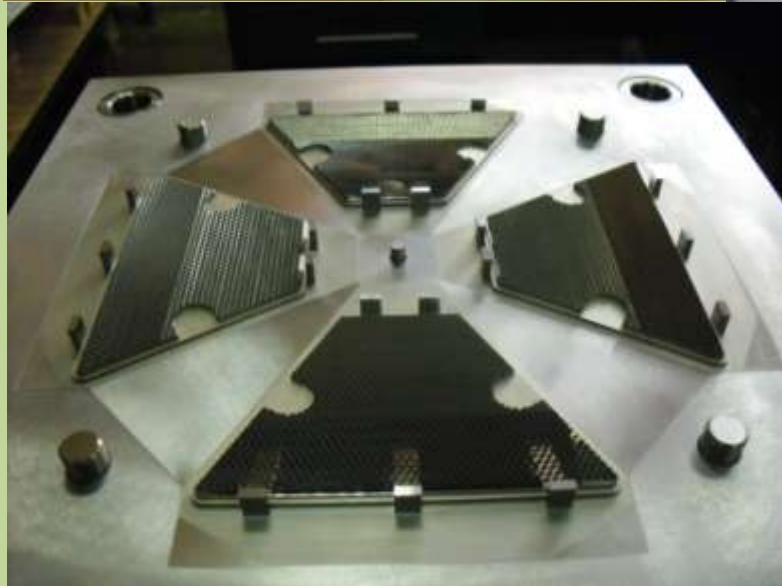
Enterprise has all necessary resources for unaffiliated preproduction. **Automatization of preproduction and producing management** permit to make for short time complete technical documentation set for main and support producing, and accounting .

In 2014 our enterprise manufactured production valued at 350 000 000 rub.

MOULDS

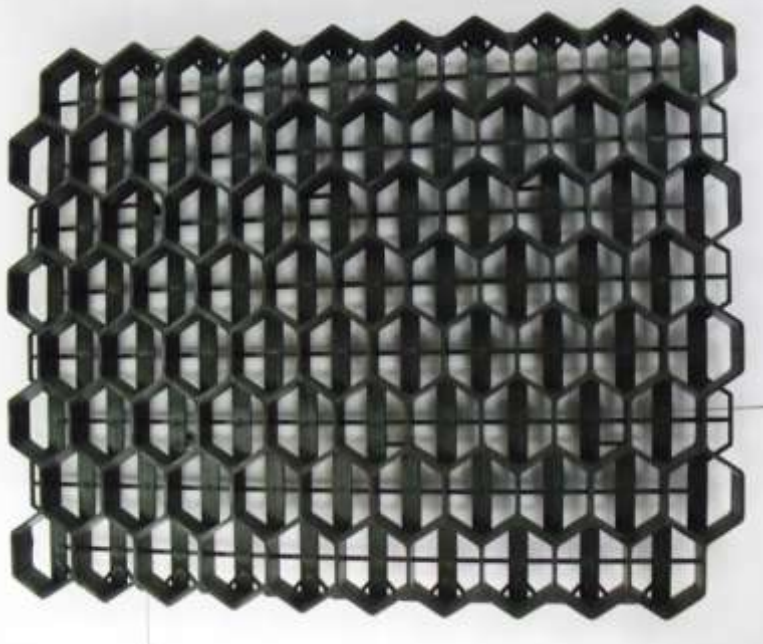






PLASTIC PARTS









5. Quality

Quality management is carried out of **all producing stages**, at all departments and repose on leading role of directorship and staff activity. Since June 2013 enterprise is **certified** according to demands **ISO 9001:2008**.



We give the stable quality because of :

- The warning of discrepancy;
- Staff professionalism, qualification improvement including quality;
- The using of modern equipment and new control methods;
- Mutually profitable relations with suppliers.

6. Contact us

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