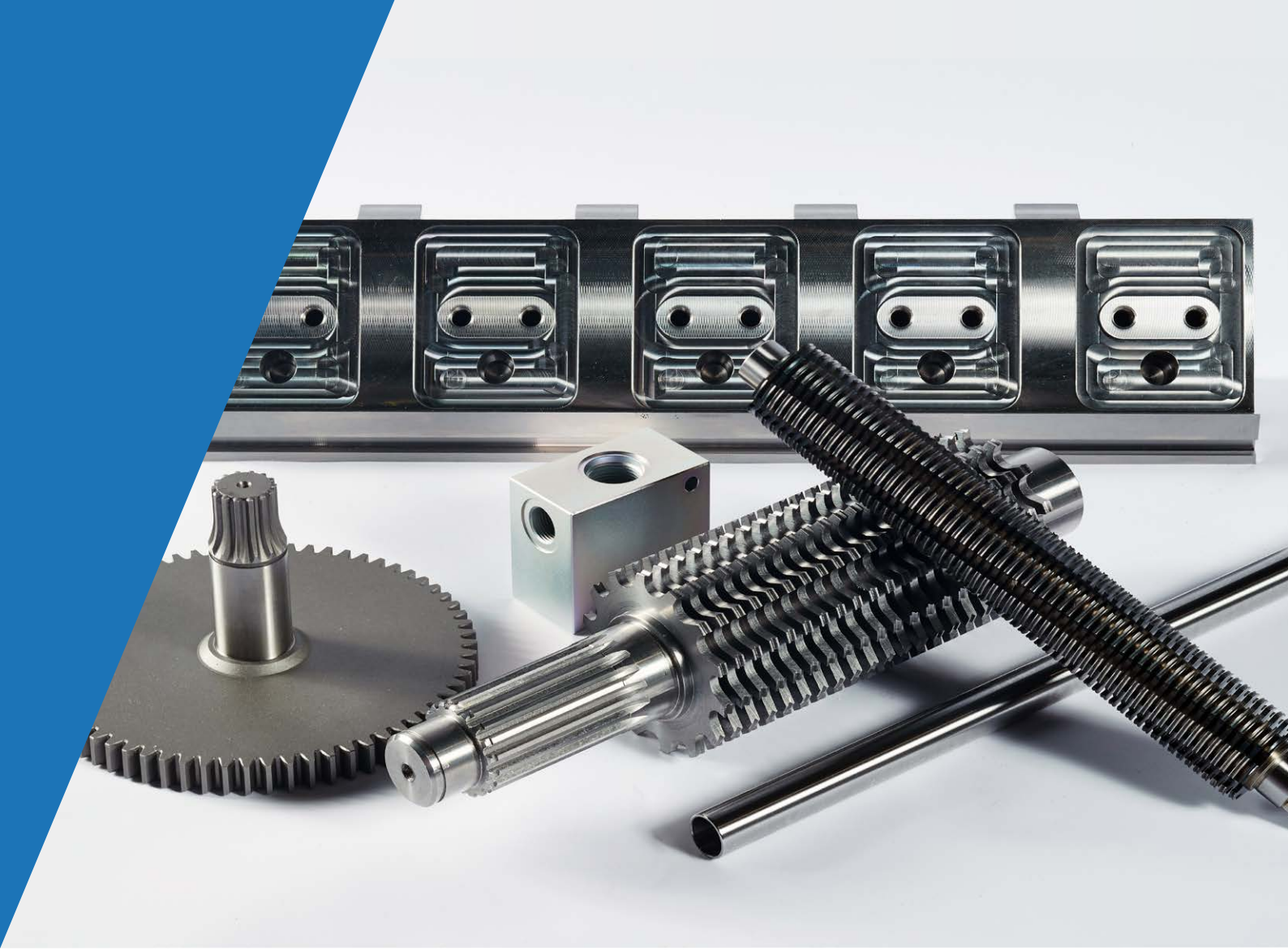


MACHINERY PRODUCTION & ASSEMBLY

CUSTOM CNC MACHINING

WE ARE TURNING YOUR PLANS INTO REALITY

EKVITA

ABOUT **US**

We are an engineering company located in Trutnov (Czechia) specializing in high-precision machining on CNC machinery. We offer variety of processes from turning, milling to grinding and services such as design support or manufacturing optimalization. According to the customer´s documentation, we provide effective manufacturing of parts in small to middle size series. Following the production process, any subsequent assembly of demanding sets and machines can be realized inhouse. We process all commonly available materials from steel, aluminum, cast iron, stainless steel to plastic. In the cooperation with our verified partners, we also provide most of usual heat and surface treatment methods. Welded, laser-cut parts, castings, forgings and other semi-finished products can be also supplied by our partners.
Thanks to many years of experience and know-how, we are able to meet high demands on quality of products and short delivery dates.

History

The Ekvita company was established in 1992 through the privatization of state enterprise Strojtex and continues the successful tradition of engineering production in this location already since 1946. The original production portfolio, i.e. the production of pneumatic and electromagnetic contactors for ČKD Prague trams and locomotives and the production of textile machines and spare parts ended with the collapse of the eastern markets. The company was also involved in its own development and founded the production of hot water pumps EKONOMIK.
Since 1992, custom CNC machinig is the main focus of the company and delivering of high precision ard reliable parts to it´s loyal customers became the main purpose of Ekvita´s activities.

Basic information

We use approx. 1500m² for production premises, our own CAD workplace and average of 65 employees in two to three shift operation.

Our production equipment includes more than 18 CNC and conventional machines for processing metal parts. You can find more about the equipment on page 7.

18 <
More than 18 CNC and conventional machines

65
Employees in average

1500 m²
Production premises

ISO Certification

We want to be a reliable partner for our customers and offer products and services that meet the highest quality standards. We have been ISO 9001 certified since 2001 and recertified for new ISO9001:2015 since 2018.





Custom production on CNC machines

Custom production according to customer requirements on a wide range of CNC and conventional machines. We offer complex manufacturing process from turning, milling to CNC grinding and additional services.



Production and machines assembly

We experience high level of know-how with production of complete industrial shredding machines and it´s components. We can arrange production of machines according to customer´s requirements also for automotive, agricultural, recycling or other industries.



Gearbox production

Small to medium series production of gearboxes and their components according to technical documentation e.g. for garden, agricultural, sweeping and other machines.



EKVITA

PRODUCTION

Ekvita is experienced producer, focused on high precision CNC machining. Based on the customer´s specification we produce customized parts in small to medium series. We also offer manufacturing and assembly of various machines and sets. Our machines can process all standard materials such as steel, aluminium, cast iron or plastic. Production takes place on more than 18 CNC and conventional machines, 40 different workplaces and total production area of 1500 m^2.

In order to offer the highest level of service, we constantly improve our production processes, invest in new production equipment and closely monitor quality before, during and after the production process. We will ensure high-precision production with IT5 to IT6 accuracy from turning, milling to grinding and subsequent assembly of machines or their components. At our machining centers, we are able to process rotary parts up to a diameter of 230 mm and a length of 1000 mm, and milled parts up to a size of 2000x800x750 mm. The weights of the parts range from a few grams up to 100 kg. We can also discuss production of parts above this specification individually.

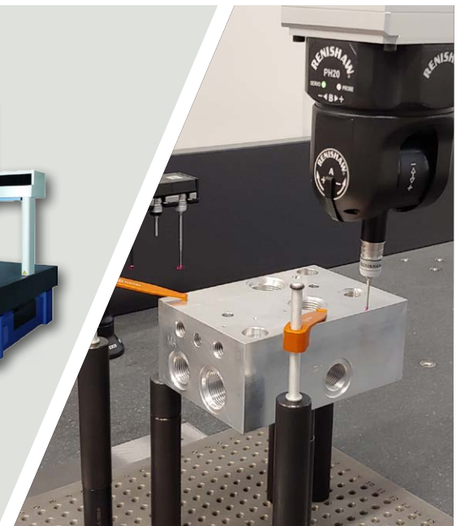
In cooperation with our verified suppliers we offer laser cut or welded parts with additional machining and all types of surface and heat treatment and other special procesess we don´t have inhouse.



QUALITY CONTROL

An independent quality department takes care of the high quality of manufactured parts. The precision of the products is continously checked by trained personell, calibrated tools and 3D CMM measuring devices from Mitutoyo or Carl Zeiss.





OUR PRODUCTS

In the long term, we focus on the production of industrial machines such as shredders and their parts, components of textile machines, various types of gearboxes and agricultural machinery.

Our production portfolio:

- Cutters for data shredders
- Production and assembly of paper shredding machines
- Parts for plastic recycling machines
- Components and sets for textile machines
- Different types of gearboxes e.g. for garden machinery
- Hydraulic blocks and components, different types of milled and turned parts



Shredder machine



Cardboard recycling machine

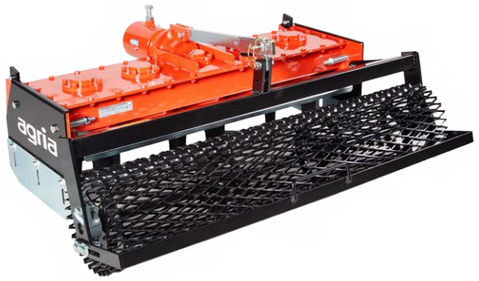


Various types and dimensions of cutters





Gearboxes for garden machinery



Soil preparation machine (cultivator)



Aluminium milled parts



Various types of hydraulic blocks and components

OUR **PRODUCTION EQUIPMENT**

The production equipment consists of more than 18 CNC and conventional machines. We own several types and sizes of CNC lathes, 3-, 4- and 5-axis machining centers and also a CNC grinder. You can see an exact list of our equipment in the table below. For inspection purposes, we use advanced 3D CMM machines from Mitutoyo or Carl-Zeiss.





- 5 axis
- X-axis travel up to 2000mm



List of our production equipment:

CNC Lathes	
Machine Type	Max. ϕ (mm)
CNC Lathe Feeler FTC-450MC (2x)	260
CNC Lathe Feeler FTC-450	450
CNC Lathe ZPS S50 and S50i	270
CNC Lathe SPM16	150
CNC Lathe ZPS S60	250

Grinding machines	
Machine Type	Max. ϕ (mm)
CNC Grindor Silver - outer ϕ grinding	300
Grinder of inner diameters	250
Centerless grinding machine	60
Cylindrical grinding machine	320

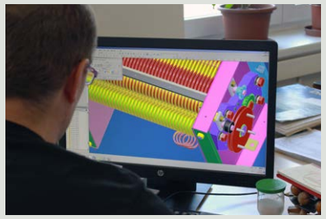
CNC machining centers	
Machine type	Max. dimens. (mm)
Horizontal - 5 axis - Makino A500Z	750 x 750 x 500
Horizontal - 4 axis - Doosan NHP 4000	560 x 640 x 660
Vertical - 5 axis - EMCO MMV 2000	2000 x 800 x 750
Vertical - 5 axis - EMCO Maxxmill 750	750 x 610 x 500
Horizontal - 3 axis - ACE HC500	850 x 700 x 750
Vertical - 3 axis - Cosmos CVM-1370	1270 x 635 x 515
Vertical - 3 axis - TOS FGS 50 CNC	700 x 500 x 500
Vertical - 3 axis - Doosan VC400 (2 pal.)	560 x 400 x 570
Vertical - 4 axis - Doosan DNM650	1270 x 670 x 625
Other machines	
Thread rolling machine (knurling, threads...)	ϕ 4-80
Induction hardening machine	120x2000mm

OUR **SERVICES**



COMPLEX MANUFACTURING

Production of precise metal parts according to customer specifications, including surface and heat treatments and additional processes in cooperation with our verified suppliers.



DESIGN SUPPORT

We will provide technology support and development assistance for a wide range of manufactured parts and assemblies. We can suggest lean design changes in order to achieve better unit price,



TRANSPORTATION

If requested, we can provide transportation of finished products to customers, using our own fleet of van and truck cars.

Career

Are you interested in our company? Would you like to join the team of a family business with a long tradition and know-how?

We are continuously looking for CNC operators with experience in metalworking, as well as colleagues for other positions. You can find the current list of open positions at the company website **www.ekvitatu.cz.**

Let us know about you!

References

We appreciate long-term cooperation with our business partners from Germany, France and Sweden. Up to 80% of our production is exported. Our business partners are reputable professionals across different business sectors:
intimus International (GER), Agria-Werke GmbH (GER), Rapid Granulator (SWE), Georg Sahm GmbH (GER), Moditec (F), Argo-Hytos (CZ), Koenig&Bauer (CZ and GER) and others.

intimus
agria
SAHM WINDERS + SYSTEMS a member of Starlinger Group
KOENIG & BAUER
ARGO HYTOS
Rapid Reduce • Reuse • Recycle



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