

IKOV TRADE a.s. is a medium-sized joint stock company with 100% Czech capital. Our head office is located in Slatiňany, another plant is in Bítovany. Our services in engineering are still expanding and today we offer project realization from the very idea to the final products and implementations.

#### OUR SERVICES:

**Metal machining** - thanks to our state-of-the-art equipment, we can guarantee machining with the highest level of precision required by our customers' stringent requirements. Our range of machines includes Hurco and Doosan three-axis machining centres and a range of other specialised equipment.

**Welding** - Welding of steel, stainless steel, aluminium and alloys. Welding of structures and plates up to 8 metres and weighing up to 8 tonnes. We are also able to weld larger and heavier parts, robot welding for repeat production.

**Design** - our design office produces complete production documentation of machines or their components.

**Service** - complete manufacture and refurbishment of hydraulic components, cylinders and grapples.

#### CONTACTS:

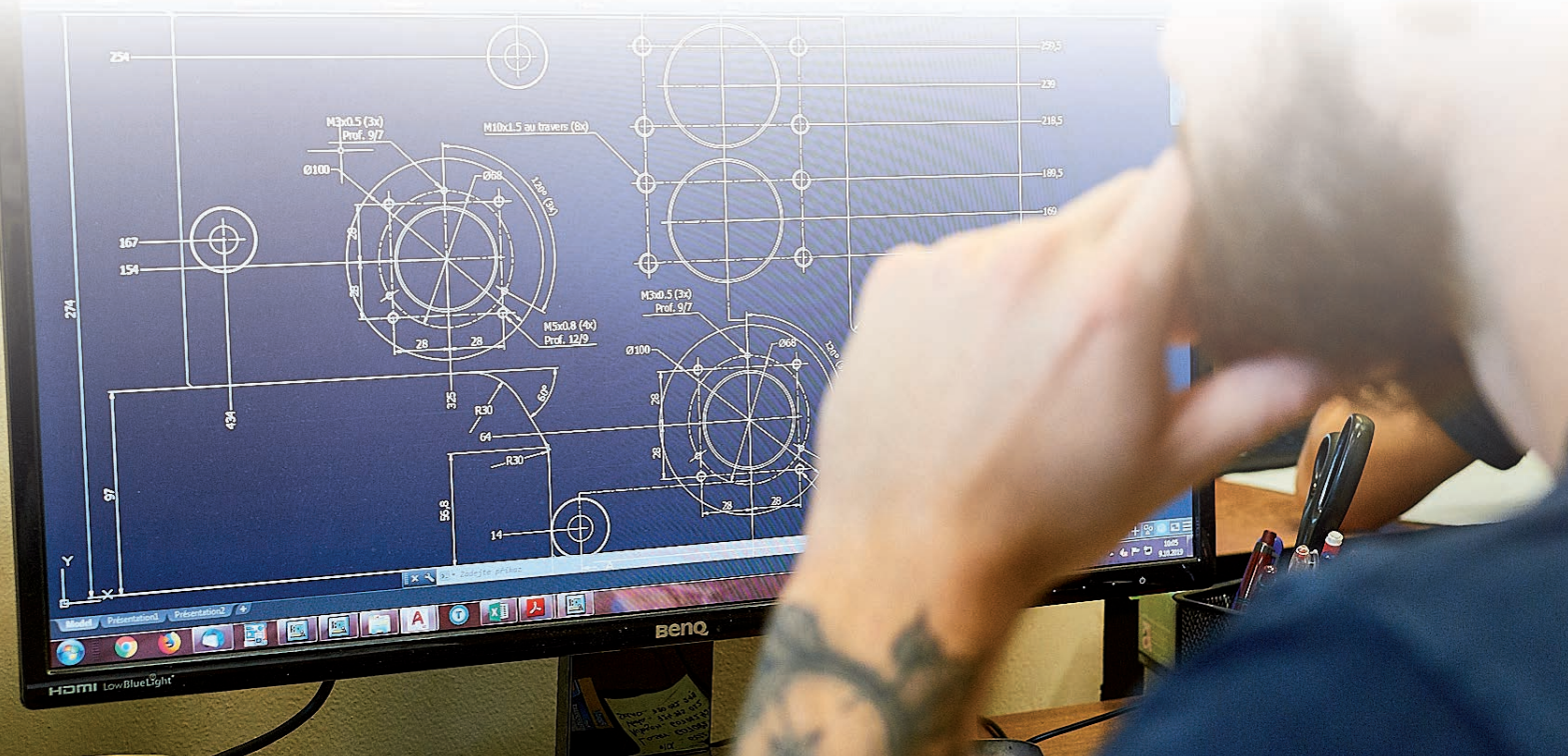
##### INFO:

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## HYDRAULIC POLYP GRAPPLE €

A grapple developed by scrappers





**We are a family-owned company and as such we are a carrier of family values.** We value our employees, we share their daily worries and joys and we are proud that together we form one solid unit.

**The company was founded in 1998** and since its beginning it has been engaged in the shaping by **burning metal sheets**. Since 2011, it has expanded its activities to include **machining**. In 2021, it became part of the RKO GROUP and, thanks to the cooperation with other members of the group, especially from the waste management division, it started to design and manufacture grapples. The final form of the product, which was created out of a desire to satisfy our own needs, to meet the highest demands for performance, durability and reliability, was tested and improved, is now offered to our clients.

We have three types of grapple in stock and available for immediate delivery. Thanks to our own design department and many years of experience in the industry, we can also produce to order according to customer requirements. Of course is a warranty and post-warranty service. We have spare parts available and complete grapples, which we lend to our clients in case of need for repairs.

- Tentacles made of Swedish Hardox 500 Tuf steel - exceptional strength, hardness and toughness of the material, 30% longer lifetime compared to competitive grapples
- Rotator INDEXATOR IR 25 - Ion lifetime
- Max. working pressure is 320bar, max. working pressure for rotation is 240bar
- Meets the highest requirements for waste management and recycling
- Hitches for all types of excavators
- High performance, reliability, long lifetime
- Three alternative size options 400l, 600l, 800l
- **IN STOCK - IMMEDIATELY AVAILABLE**
- We also offer custom manufacturing and service
- Piston rod parameters:
  - D80xd60, stroke=310mm
  - Cylinder ejection force 175.9 kN at 35 MPa
  - Cylinder retraction force 76.9 kN at 35 MPa

**TYPE 1**



OPEN

**TYPE 2**



HALF-CLOSED

**TYPE 3**



CLOSED

GRAPPLE TYPE	VOLUME (dm <sup>3</sup> )	WEIGHT (kg)			NO. of TENTACLES	CLOSING FORCE F (32 Mpa)	DIMENSIONS in mm					
		TYPE 1	TYPE 2	TYPE 3			A	B	C	D	E	F
DR 05	400	1520	1630	1790	5	22 - 36 kN	1758	2125	920	1196	1695	1945
DR 10	600	1570	1690	1850	5	21 - 34 kN	1896	2298	1075	1374	1750	2035
DR 20	800	1610	1740	1910	5	20 - 31 kN	2039	2475	1245	1560	1795	2127



### Service not only for scrap metal

- We offer repairs of hydraulic components, handling machines, overhauls of all types of grapples and assembly lines, service of mobile and stationary hydraulic shears, packing presses, as well as the production of new components
- Renovation and complete production of hydraulic cylinders and grapples according to customer requirements
- Complete mobile service of loaders, containers, handling machines
- Assembly and dismantling to measure
- Spare parts in stock, production of nonstandard spare parts in our own tool room
- Responsive approach to solving customer needs

### Construction

We form groups of experienced experts in CAD design of machines, moulds, jigs, metal structures. For parametric 3D modelling enabling efficient and fast development of structural units and basic analysis of their functionality we use Solid, Edge, Catia, Topsolid, Siemens NX software. For the creation of documentation we also use reverse engineering methods - scanner, software for processing scanned data, 3D modelling.

Our offices are located in Bítovany, Jíčín, Ostrava, Chrudim.

