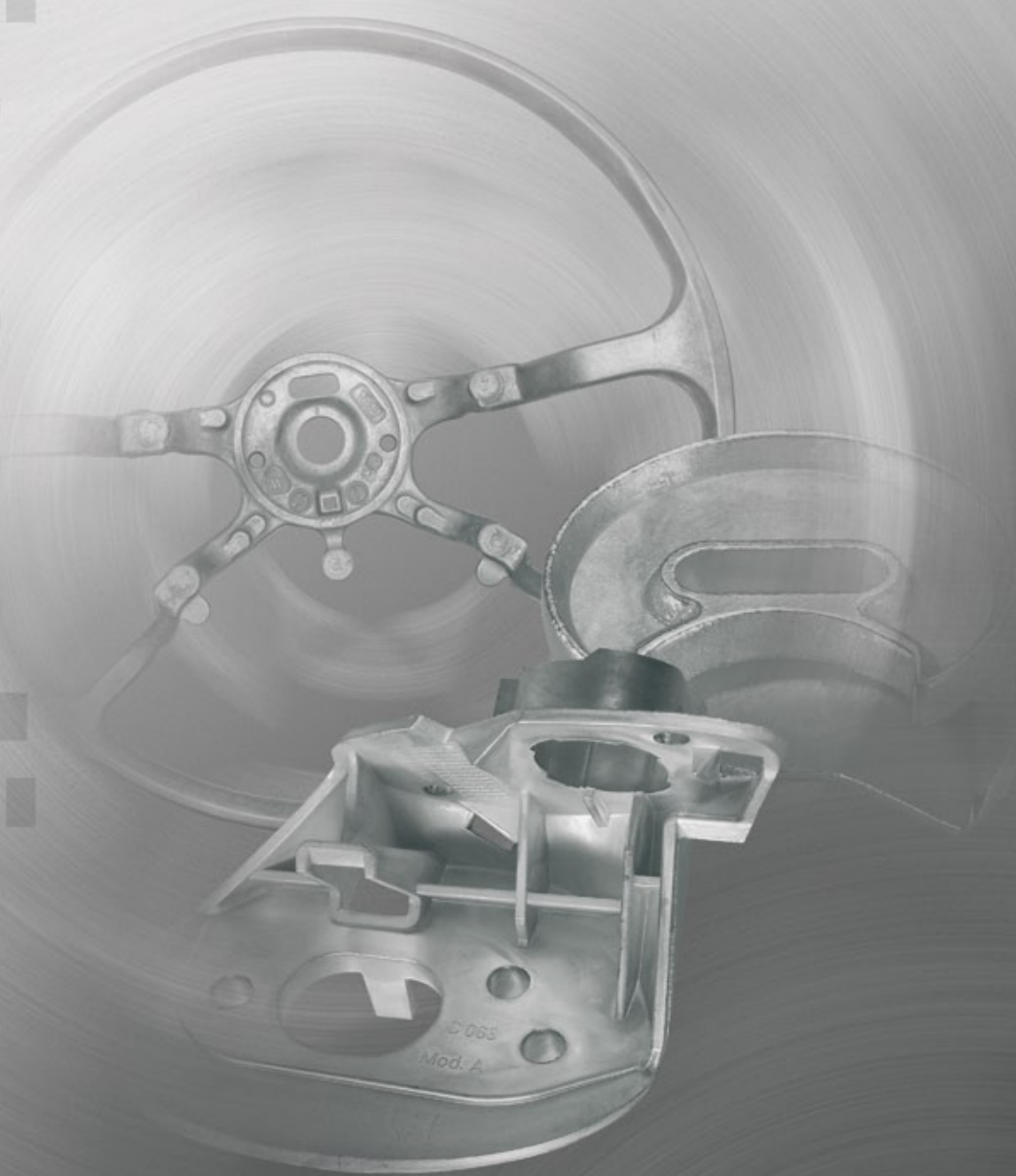


**Fam**

# Die casting and services



**PRODUCER OF ZINC, ALUMINIUM, MAGNESIUM DIE CASTING  
AND PLASTIC MOULDING**



# Die casting

**FAM – Technika Odlewnicza is a modern producer of zinc, aluminium, magnesium die casting and plastic moulding. The Company is one of the main worldwide and Polish manufacturers of accessories for construction and furniture industry. At present we manufacture products above 1000 of goods. Every year we launch new products and we make every effort to modernize and develop other product. Every year manufacture of accessories tailored to individual needs of our clients comprise larger share of offered cast services.**

**We manufacture products for construction, automotive, electric tools and household appliances market.**

**For some years the Company expands international export and most of the products are being sold in Countries of West Europe. Our products are there distinguished by the highest quality and competitive prices.**

**Our wide experience, unique advanced technology and manufacture potential enable us to meet any demands regarding the highest quality. Our firm was granted ISO 9001 Certificate and TUV Management Service GmbH ISO 9001:2000 Certificate.**



**Our Company employ four main technologies in respect of metal treatment and two methods in respect of electroplating.**

**Zinc die casting department applies metals die casting and performs initial treatment.**

**We produce zinc idle alloys for automotive, construction, furniture and electro engineering market with use of FRIEDRICH-PFUDERER and FRECH hot chambered moulding press of 20-260 tons tonnage. Our machineries (DAW-20, DMZ-50, DAW-50, DMZ-80, DAW-125RC, DMM-B-260T, Castmatic Z-180 – 15 machineries in total) provide for complete control over production process.**

**Most of our production is exported to international markets.**



**and services**





**FAM possesses also injection moulding machines that enable us to produce many kinds of plastic and application of zinc and magnesium.**



# Die casting

**Light metals die casting department products complex accessories from magnesium and aluminium purposed for construction, furniture, automotive and electric engineering market. This department has been equipped with 5 FRECH machineries of 317 ton tonnage with hot chambers purposed for magnesium alloys and FRIEDRICH-PFUDERER machinery known for technical potential of 340 ton tonnage. Two machineries are used for casting and the whole line includes also robot collecting items from forms, cooling tunnel and spraying device-all devices provide for complete automatics of process. These machineries enable to cast complicated items from 30 to 1500 gram – according to used form.**

**This department is also equipped with Buhler 66 machinery purposed for aluminium alloys with use of cold working technology. The whole line includes also furnace, flowing device, robot collecting items from forms, cooling tunnel. Silumin (high silicone aluminium alloy) characterize with very good castability and machinability enabling to cast items of complicated shape. This machinery enable to cast items of 350-3500 grams mass.**

**This department is equipped also with two hydraulic presses of 160 ton strength purposed for cut runners and devices for drilling and threading of holes as well as with grinding machines for finishing and preparation for application of layer.**



# and services



# Die casting



**At present magnesium and aluminium products is the main segment of production of FAM.**



**Machining and plastic forming department specialize in:**

- **machining (straight sliding) of small items with INDEX RN-8, INDEX RN-12, ATS automatic lathes – to produce steel bars and wires of 8 mm max. diameter,**
- **plastic forming of steel items through cold working pressing and forging.**

**Layer and surface treatment department is a place where items undergo finishing that is mainly preparation for varnishing and electroplating. Items are subjected to polishing and grinding or abrasive machining. We work on ROSLER R-420, ROSLER R-620, ROSLER R-780, ROSLER R-1050 vibratory machines, disk sanders and polishing machines.**



**and services**



# Die casting

**This department possesses three electroplating lines:**

- **drum line for zinc layer coating,**
- **racking line,**
- **drum line for nickel coating.**

**The Company has a wide experience regarding application of the highest quality electrolytic coating. Technical properties of applied coatings subject to constant control. The control includes thickness measurement and corrosion resistance in salt chamber.**

**Preparation process depends on needs and purpose of due products. Chemical lab has been equipped with measuring apparatus to monitor content regarding chemical substances of applied coatings and for the purpose of technology development. Production processes employ technology of famous electroplating firms e.g. Enthone, Dr Hesse, Schloetter, Atotech that provide for testing in micro scale of all applied new solutions.**





**FAM – Technika Odlewnicza offer includes: electrolytic coating and painting of aluminium and zinc, steel and brass products.**

**We offer the following electroplating finishing:**

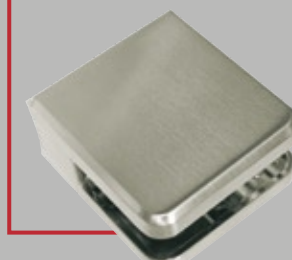
● **Nickel**



● **Satin nickel**



● **Brush nickel**



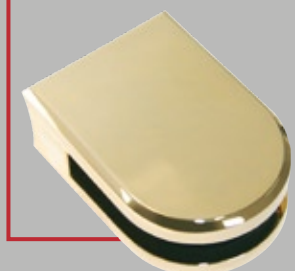
● **Chromium characterizing with throwing power**



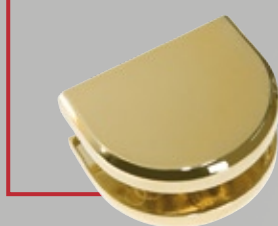
● **Flat chromium**



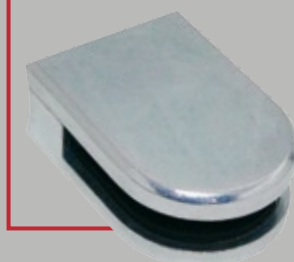
● **Gloss brass**



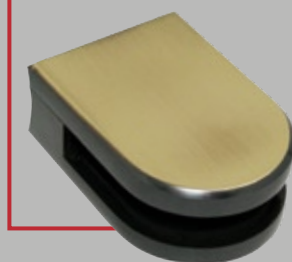
● **Gold**



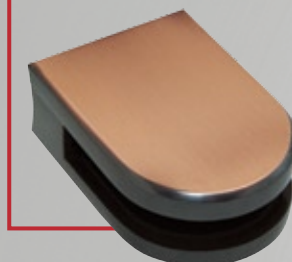
● **Zinc with thick layer immunization**



● **Patin on brass**



● **Patin on copper**



**After finishing of production products are sent to assembly department and packaging department.**

**and services**



# Die casting

**The Company possesses adequate technical potential, tool room and a design office. Advanced hardware and software 3D CAD/CAM (Pro/Engineer) provides for prompt change of production regarding market trends and demand.**



**This department specialize in production of die casting forms and injection moulding forms. Our own design office and close cooperation with other departments enable us to provide complex service for our clients e.g. design and perform an ordered form and manufacture it. This**

**type of service makes for prompt execution of an order and reduces risk of defects regarding ready made die casting or moulding. Tool department executes also orders regarding designing structure of a product to be made with use of die casting and moulding press what results in reduction of faulty casting and defective products.**

**Tool room of FAM – Technika Odlewnicza Sp. z o.o. is one of few subjects on Polish market which has got potential and capacity to properly design and make a form for magnesium die casting.**

**FAM – Technika Odlewnicza Sp. z o.o. has at present the biggest casting house with experience regarding production of magnesium die casting with hot chamber method in Poland. As a result of that after designing and making die casting form it is possible to introduce it into production.**

**Tools produced by FAM – Technika Odlewnicza Sp. z o.o. are used in production process of automotive, electric engineering, construction, furniture and household appliances industry.**

## **WE OFFER**

- **Design and technical documentation**
- **Mechanical treatment (CNC milling – dimensions in a horizontal plane: 800×540, milling, drilling, grinding, turning, manual treatment)**
- **Electro corrosion treatment**
- **Service**
- **Technical consulting**

## **WE OFFER THE FOLLOWING SERVICE**

- **Aluminium, magnesium, zinc die casting**
- **Plastic injection moulds**
- **Blanking die and stamping die**
- **Electrodes for electro corrosion treatment**
- **Special devices and handlers**

## **WE GUARANTEE**

- **Professional service**
- **Know-how and experience**
- **High quality**
- **Deadlines meeting**
- **Attractive prices**

**Inquiries and making up of a tool is being performed on basis of 2D drawings, 3D geometry (e.g. Pro/Engineer, IGES, SET, STEP, STL, DWG, DXF) and other consultation.**

**The company possess metrology lab equipped with basic controlling apparatus indispensable for measurement of produced items and collection of tools.**

**FAM possesses also SPECTRO SPEKTROMAXx spectrometer for analyzing of chemical content of zinc, aluminium and magnesium die casting.**

**and services**





**FAM – Technika Odlewnicza Sp. z o.o.**

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