

**FRANKONIA**  
**POLAND**



# Executive Summary

**Frankonia - Poland Sp. z o.o.**, established in May 1991 (initially as Technika – Szpitalna Sp. z o.o.), has been a leading designer and supplier of products for the EMC industry since the beginning of its operations.

Thanks to a modern machine park, a qualified staff, and extensive experience, the company has successfully expanded its production profile into other industries as well, specializing in sheet metal forming, welding and finishing.

**Frankonia - Poland** employs around 160 people and enjoys an excellent reputation in the local, national and international environment, as evidenced by the numerous certificates, awards and distinctions it has received.



## What sets us apart?

- Over 30 years on the market
- ISO 9001:2015 Quality Management System
- State-of-the-art machine park
- Over 8500 m<sup>2</sup> of production facilities



# Products and Industries

## Manufactured products:

### EMC Production

*Comprehensive solutions for the construction and assembly of cabins for electromagnetic compatibility measurements, EMC equipment.*

### Laboratories

*Gas-tight doors, material airlocks / pass-through windows, personnel airlocks.*

### Furniture Systems

*Worktops, furniture fronts, stainless steel furniture accessories.*

### Hospital Infrastructure

*Production and installation of specialized door systems for operating rooms, hinged doors, single and double sliding doors, manual and automatic, also for X-ray rooms, and X-ray inspection windows.*



# Advanced Production Capabilities

## Our professional services:

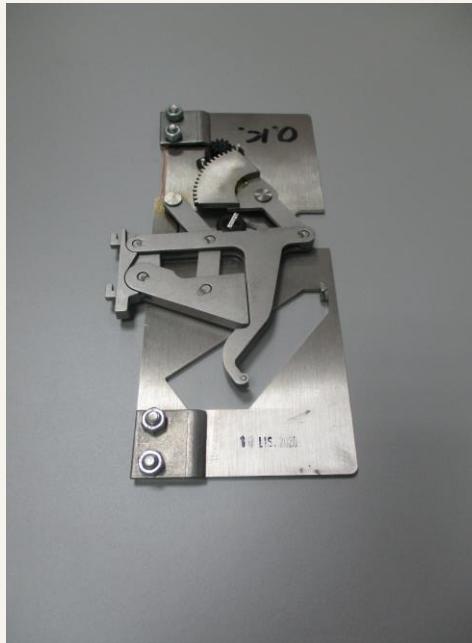
**Sheet metal forming:** including stainless and acid-resistant steels: punching, bending, forming

**Advanced welding techniques:** MAG (135, 136), MIG (131), TIG (141), laser welding, and robotic welding

**Stainless steel finishing:** grinding, satin finishing, and pickling

**Press bonding on plate presses**

**Medium-Sized steel structure production**



# Order and Fulfillment Process



## Step by Step to Success

### Problem with Finding a Contractor

Given the large number of available contractors, there is a significant risk of choosing one who will not complete the project according to expectations in terms of quality, timeliness, and compliance with the technological requirements of steel processing.

### Our experience gives you peace of mind

Thanks to our many years of experience, we have developed processes for working with clients that ensure a professional approach, effective communication, and reliable, timely, and high-quality execution.

### Valuation Process – never been easier

Our experienced technology valuation specialists will support you throughout the project discussion. They will understand your needs and conduct a detailed analysis, ensuring the valuation is reliable and tailored to your expectations. Our goal is to provide full transparency and trust in the valuation process.

### Prototyping

We understand how crucial customer satisfaction with the final product is. Therefore, we offer top-quality prototypes that ensure confidence in the final outcome.

Additionally, our team is dedicated to refining every detail to meet the highest standards. Well-crafted prototype is the foundation of a successful product.

### Final Product and Quality of Implementation

Due to the developed processes at every stage of project implementation, our clients receive a final product that fully meets their expectations.

We guarantee that every aspect of the order is meticulously refined, and the final product meets the highest quality standards.

# Advanced Machine Park

## Laser cutting and punching

- Use of a large format punching machine
- Availability of band saws for various materials



## Advanced bending and forming

- Automatic CNC bending center
- Various press brakes (hydraulic and servo-electric)
- Ability to bend sheets of different thicknesses and dimensions



## Modern welding technologies

- Laser welding using a robot
- Linear laser welding
- Conventional welding methods (Fronius and Lincoln Electric equipment)



## Specialized processing

- Corner extraction
- Resistance spot welding
- Veneer processing (shelf press)



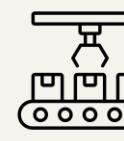
## Finishing operations

- Belt grinding
- Hydrodynamic painting



## Large elements handling

- Single-girder cranes for transporting heavy elements



# Laser Cutting and Punching



## Our Machines and Capabilities:

**Punching:** high-end **TruPunch 5000** machines allow to cut and form steel plates up to 8mm thick with processing speed of up to 1600 strokes/min

**Laser Cutting:** combined CO2 laser cutting and punching in one **TruMatic 6000** machine provides high flexibility and best quality, working with steel plates of thickness up to 8mm



# Advanced Bending and Forming

## Our Machines and Capabilities:

**CNC Bending Center:** fully automated bending machine **TruBend Center 7030** with maximum bending length of 3123mm and maximum steel thickness of 3mm

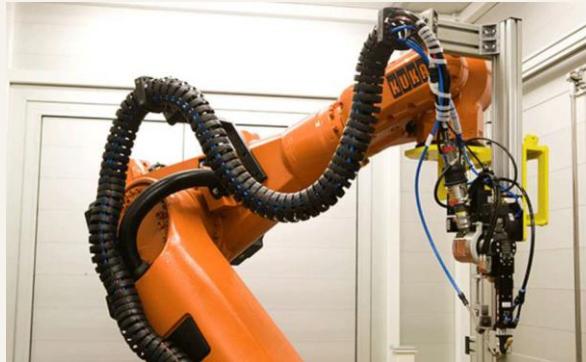
**Press Brakes:** various **Trumpf** and **Safan Darley** press brakes with maximum bending lengths of 1250mm up to 4420mm



# Modern Welding Technologies

## Our Machines and Capabilities:

**Laser Welding:** laser welding using a KUKA robot arm (**Trumpf** laser source)



**Linear Laser Welding:** linear welding of up to 3000mm, manufactured by ERLAS Erlanger Lasertechnik (**Trumpf** laser source)



**Conventional Welding:** sheet metal and structural manual welding MAG (135, 136), MIG (131), TIG (141) using **Fronius** and **Lincoln Electric** machines, various materials and thickness

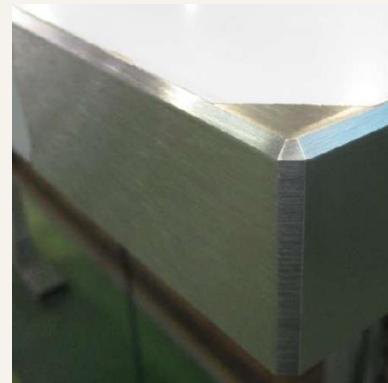
# Specialized Processing

## Our Machines and Capabilities:

**Corner Extraction:** Utilizing dedicated extraction machines, this process enhances precision and reduces material waste, ensuring cost-effective production

**Resistance Spot Welding:** high efficiency specialised spot welding ensures repetitive and durable joints

**Finishing:** Achieved through high-tech polishing and coating equipment, this process delivers a polished, high-quality surface, enhancing the aesthetic appeal and longevity of the product

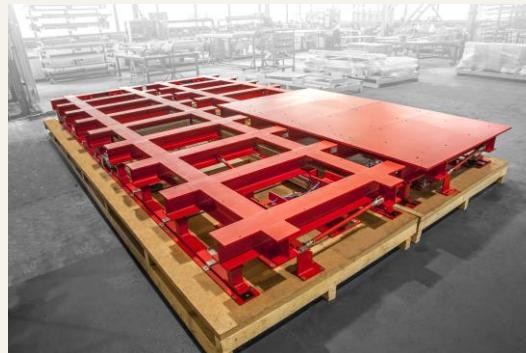


# Fabrication and Assembly

## Our Machines and Capabilities:

**Fabrication:** several frame construction welding workstations supported by overhead cranes with lifting capacities of up to 4 tons

**Assembly:** several assembly workstations dedicated to steel construction assembly as well as electronics assembly



# Get in Touch



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