

MMZ  
Mukachivsky Machinery  
Factory

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ADDITIONAL LIABILITY COMPANY

# HISTORY

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The plant was founded in 1672 by Austrian entrepreneurs.

Before 2016 the factory was called “Mukachivsky Machine Tool Plant” and between 2012 and 2015 it was re-organized for production of welded steel components for transport engineering machinery.

Today it’s a modern manufacturing facility that grows every year.

Starting from 2014 100% of all products are being exported to European countries.

# Market: 100% export to the EU and UK

We increase our production and sales volumes every year.

We follow European technical documents and quality standards

Our customers –well-known international companies in various machinery sectors - receive competitive pricing and high product quality



# MMZ TODAY

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Despite 2020–2021 pandemic and also military aggression of Russia against Ukraine, MMZ has never shut down and continued to grow and develop.

We've dispatched more than 1 500 tons of product to our customers in 2022, 60% more than during any other year.

2 000 tons of fabrications have been set as a target for 2024 based on current order book and long-term contracts with further increase of capacities inline with growth strategy.

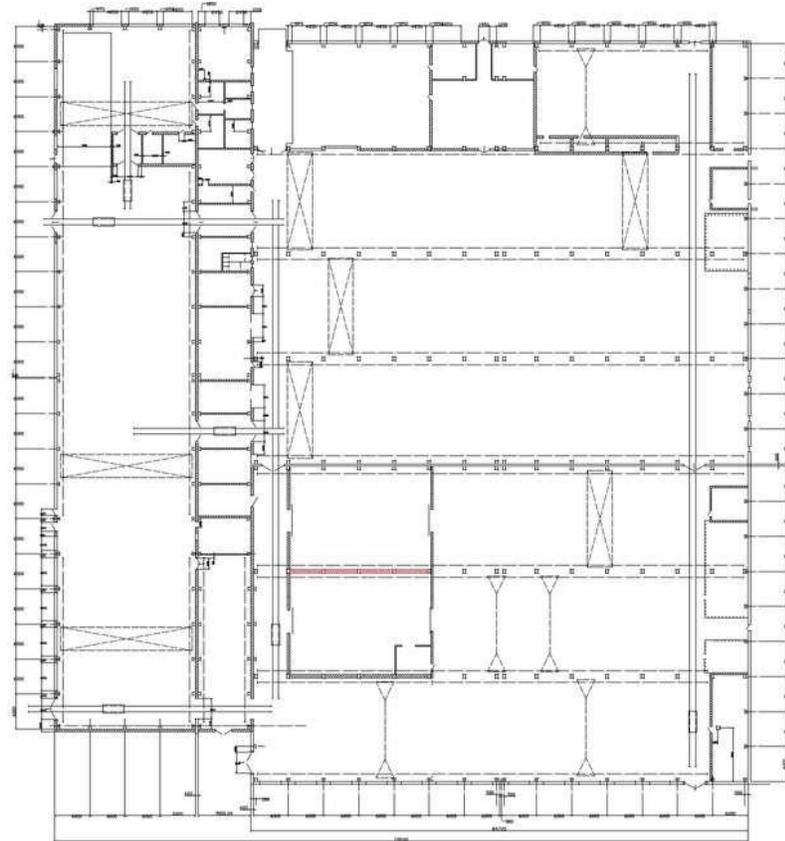
# PRODUCTION FACILITIES



The MMZ plant is located in Mukachevo, Transcarpathia, on the M06 international highway -30-50 km from the borders with Romania, Hungary, Slovakia and Poland. The nearest airports are Kosice (Slovakia) -140 km, Lviv (Ukraine) -220 km and Budapest (Hungary) -260 km.

The total territory of the plant is 8.2 hectares. The total area of production premises is more than 30,000 m<sup>2</sup>, including 15,000 m<sup>2</sup> under one roof.

# PRODUCTION FACILITIES



Main hall:  
6 bays of 80 x 18 m,  
1 bay 80 x 24m,

Hall 2:  
1 bay 80 x 24m,

Hall 3:  
3 bays of 40 x 12 m,

Hall 4:  
2 bays 30 x 18m,

Cranes from 3 to 10 tons

# MACHINERY AND EQUIPMENT



**OVER 100 UNITS OF EQUIPMENT ARE BEING USED AT OUR PRODUCTION AREAS CARRYING OUT THE FOLLOWING OPERATIONS:**

**Metal cutting:**

- Laser (2,000 x 6,000mm)
- Plasma (2,600 x 12,000mm)



**Band saws (pipes and profiles up to Ø400mm)**

**Bending on CNC press-brakes**

- 2 500MM, 135T
- 6 000MM, 200T



# MACHINERY AND EQUIPMENT



## Machining of parts:

- CNC milling up to 1,300 mm;
- Milling up to 6,000 mm;
- Boring up to 1,200 mm;
- Turning and other operations

## Welding equipment:

- Semi-automatic MIG/MAG machines up to 500A;
- TIG semi-automatic machines;
- Automated welding

# MACHINERY AND EQUIPMENT



## Painting:

- Shot blasting booth –22,0 m;
- Wet paint spray booth –22,0 m;
- Powder coating –1,0 m x 2,0 m;
- Wagner painting equipment



# JIGS AND FIXTURES



MMZ internally develops and manufactures jigs and fixtures that ensures geometric dimensions and repeatability of serial products.

# CERTIFICATES

The factory is certified according to international quality standards:

ISO 9001, ISO 3834, EN 15085-2 CL1

Welders are certified in accordance with the requirements of international standards

The quality assurance program guarantees the high performance of our products



# CERTIFICATES

**iiw** INTERNATIONAL INSTITUTE OF WELDING **iiw**

Having satisfied the requirements of the IIW Manufacturer Certification Scheme according to ISO 3834

Company: ALC "Mukachevskiy Mashinobudivniy Zavod"  
 The Unit: 1, Fridyashivska str., smt.Kolchyno, Zakarpatska obl, 89636, Ukraine  
 Located in: 1, Fridyashivska str., smt.Kolchyno, Zakarpatska obl, 89636, Ukraine  
 is certified in accordance with

**ISO 3834 Part 2**

For the product(s): Components and assemblies for road transport, railway transport, construction machinery, agricultural machinery components, industrial equipment.

with the scope of work stated in the attached Schedule  
 Certificate number and revision status: Q 623 - Rev. 1  
 First issue date: 20/12/2021  
 Current issue date: 30/05/2022  
 Date of expiry: 20/12/2026

ANBCC Governing Board Representative: L.Lobanov  
 Schema Manager: K.Prosenko

ANBCC PATONCERT / Ukraine

ANBCC CERT PATONCERT UKRAINE

This Certificate is subject to the rules established by IIW for the certification of Companies

**DVS ZERT**

**CERTIFICATE**

Welding of railway vehicles and components according to EN 15085-2

ZE-16083-01-00-EN15085-2017.0100.002

DVS ZERT GmbH hereby certifies that the welding company

**ALC "Mukachevskiy Mashinobudivniy Zavod"**  
 Fridyashivska str. 1  
 89636 Kolchyno, Zakarpatska oblast  
 Ukraine

fulfills the requirements for the scope according to

**EN 15085-2 classification level CL1 in the type of activity P**

in the range indicated in the annex.

validity: 2022-07-22 until 2025-07-21

Düsseldorf, 2022-07-22  
 Place and date of issue

Lead auditor: Dr.-Ing. GARDÉ  
 Dipl.-Ing. GURSCHEK  
 Head of certification body

ДП «Міжгалузевий учбово-атестаційний центр Інституту електрозварювання ім. Є.О. Патона НАН України»  
 Paton Welding Institute Training and Qualification Centre (PWI TQC)  
 Україна, 81130, м. Київ, вул. Академіка, 56  
 Тел: (+380 44) 294-61-65, 200-62-88; факс: 200-62-88; e-mail: info@pwtqc.com.ua, info@pwtqc.com.ua

**Кваліфікаційний сертифікат зварника**

1. Указание назначения сертификата: **ДСТУ EN ISO 9606-1 135 T FW FM1 S 16 D51 PB ml**

2. Указание назначения сертификата: **ДСТУ EN ISO 9606-1 135 T FW FM1 S 16 D51 PB ml**

3. Технические условия и сваривание - положение: **WPS № 135 T -T1- PB-07**

Орган, который выполнял: **ДП «МУАЦ ІЕС ім. Є.О. Патона» (PWI TQC)**  
 Регистрационный номер сертификата: **3B - 2209 - 4738**

4. Проверяющий сварщик: **АЛИНОВ ТИМУР**

5. Документ, на основании которого: **Паспорт**

6. Номер документа: **900036256**

7. Дата и место рождения: **09.03.1993, Казахстан**

8. Место работы: **ТДВ «Мукачевський машинобудівний завод»**

9. Нормы и стандарты по применению: **ДСТУ EN ISO 9606-1, ДСТУ EN ISO 17637, ДСТУ EN ISO 9017, ДСТУ ISO 8617**

10. Професійні знання, досвід та / чи навики (визначити неможливо)

	Контрольний зразок	Рішення кваліфікації
11		
12	Спосіб зварювання: <b>135</b>	<b>135, 13B</b>
13	Вид перенесення електричного металу: <b>D</b>	<b>D, G, S, P</b>
14	Тип зварювального пристрою чи труби: <b>T</b>	<b>T; P</b>
15	Тип зварювального шва: <b>FW</b>	<b>FW</b>
16	Група(и) присадки основного матеріалу: <b>1.1</b>	<b>—</b>
17	Група(и) присадки матеріалу: <b>FM1</b>	<b>FM1; FM2</b>
18	Присадковий матеріал (позначення): <b>S</b>	<b>S; M</b>
19	Зварювальний газ: <b>M21</b>	<b>—</b>
20	Додатковий матеріал (напр.: паста для зачистки зварювального шва): <b>—</b>	<b>—</b>
21	Тип струму та полярність: <b>DCEP</b>	<b>—</b>
22	Товщина матеріалу, що зварюється (мм): <b>6</b>	<b>≥3</b>
23	Товщина металу (мм): <b>—</b>	<b>—</b>
24	Зовнішній діаметр труби (мм): <b>51</b>	<b>D25</b>
25	Положення зварювання: <b>PB</b>	<b>PA; PB</b>
26	Специфічність зварювання шва: <b>—</b>	<b>—</b>
27	Вагатурний / однорічковий шов: <b>ml</b>	<b>sl; ml</b>
28	Додатковий тест на виконання кутового шва, прийнятний / неприйнятний результат: <b>—</b>	
29	Метод контролю	Виконано та прийнято / Не потрібно
30	Візуальний контроль	X / —
31	Радіографічний контроль	— / X
32	Впорядкований руйнування	X / —
33	Впорядковані надриви	— / X
34	Впорядковані надриви з надривом	— / X
35	Макроскопічні дослідження	— / X
36	Немає спеціального органу: <b>ДП «МУАЦ ІЕС ім. Є.О. Патона» (PWI TQC)</b> м. Київ, Україна 04.07.2022	
37	Термін дії сертифіката до: <b>01.07.2024</b>	

Державне підприємство «Міжгалузевий учбово-атестаційний центр Інституту електрозварювання ім. Є.О. Патона НАН України»  
 Уповноважений Національним Органом з кваліфікації та перепідготовки персоналу спеціального виробництва  
 Міжгалузевий Інститут зварювання (Сторожове № 23/4)  
 Сертифікаційна Фабрика Зварювання (Сертифікат № 23/4)  
 Український Асоціаційний експерт зварювальників (Сертифікат № ІАК/2019/017)

# SUPPLY CHAIN AND MATERIALS



Due to its geographical location, MMZ has been purchasing basic materials and components in the EU for many years, which ensures high quality and guaranteed delivery times.

There is always a sufficient volume of material in stock to ensure the fulfillment of orders in the shortest possible time.

If a product contains parts that require large-scale processing (cutting or bending more than 4-6 m long, post-weld machining etc.), MMZ engages proven subcontractors from EU countries.

# QUALITY



Long-term partnerships with our customers are primarily ensured by impeccable product quality.

Incoming, in process and 100% final quality controls are the measures that are systematically used at MMZ.



Product quality is confirmed by 3D measurement protocols of product geometry, as well as ultrasound control of welded joints.

# PRODUCTS

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MMZ is a supplier of high-quality fabrications for European Original Equipment Manufacturers (OEM).

We manufacture products for such industries as road and railway transport, construction, industrial equipment and others.

Our products are critical welded parts of machines, such as frames and chassis, bodies and their components, various arms and parts of moving mechanisms.

Dimensions and weight characteristics -from 1 to 20 meters and from 10 to 10,000 kg, respectively.

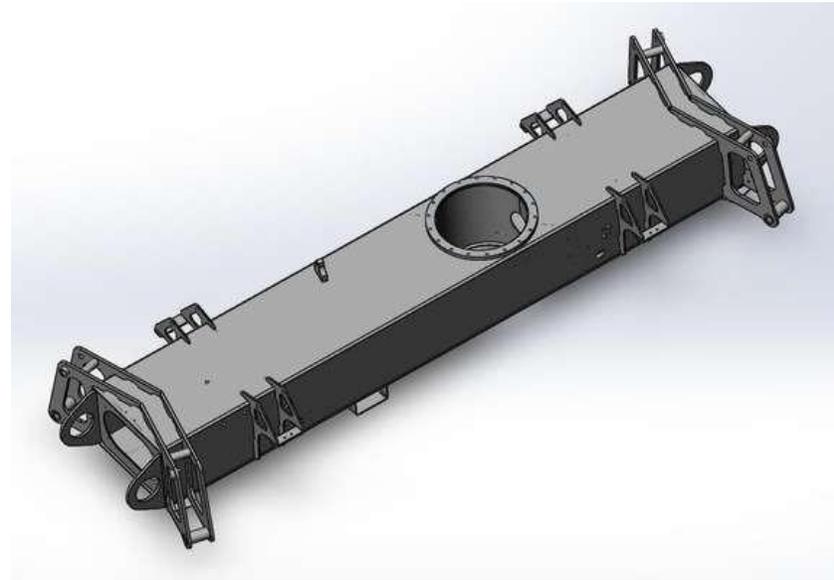
## Products examples: special wagon



## Products examples: special trailer frames



## Products examples : special equipment chassis



Products examples : special equipment chassis



Products examples : special equipment chassis



