BKV Vasúti Járműjavító Kft.

BKV Railway Vehicle Repair and Service Ltd.

Site size: **76.000 m²**, of which **25.912 m²** is built-up

Workshop size: **18.880 m²**

Main activites:

- Railway vehicle repair
- Manufacturing of railway components
- Manufacturing of metal industry componen

Detaled activities:

- Maintenance and modernization of various levels of metro and suburban railway vehicles. and manifacturing trams (CAF URBOS 3)
- Localization and refurbishment of buses
- Overhaul of major vehicle components.(bogie frame, engines, brake components etc.)
- Manufacturing of tramway turnouts, crossings, and expansion joints.
- Component manufacturing.
- Surface treatment and assembly of platform vehicles (trailers)
- Manufacturing trailer’s chassis

Certifications:

- MSZ EN ISO 9001 ; MSZ EN ISO 14001
- DIN EN 15085-2 (*welding*)
- DIN EN ISO 3834-2: 2021 (*welding*)
- EN 1090-2: 2018 (*steel structure construction)*
- *compliance with regulations of* 24/2016 NFM
- DIN 6701-2: 2015 (*bonding*)
- ECM 2019/779 (*technical permit)*

INNOVÁCIÓS ÉS TECHNOLÓGIAI MINISZTÉRIUM

MŰSZAKI ENGEDÉLY

a vasúti járművek karbantartását, javítását és időszakos vizsgálatát végző műhelyekről szóló 24/2016. (VII. 18.) NFM rendelet 3. § (1) bekezdés szerint

1. ENGEDÉLYES SZERVEZET

Hivatalos megnevezés: BKV Vasúti Járműjavító Szolgáltató Kft.

Postacím: 1106 Budapest, Fehér út 1/B.

Cégjegyzékszám: Cg. 01-09-662345 | Adószám: 12282672-2-42

2. ENGEDÉLYEZŐ SZERV

Hivatalos megnevezés: Innovációs és Technológiai Minisztérium, Vasúti Hatósági Főosztály

Postacím: 1441 Budapest, Pf. 88.

3. ENGEDÉLYRE VONATKOZÓ INFORMÁCIÓ

Ez egy - új engedély [X]

- módosított engedély [ ]

Korábbi műszaki engedély hivatkozási száma: -

A műszaki engedély határozatlan ideig érvényes.

4. ENGEDÉLYES TEVÉKENYSÉGÉRE VONATKOZÓ INFORMÁCIÓ

A TEHERVAGONOK KARBANTARTÁSÁÉRT FELELŐS SZERVEZETEK TANÚSÍTÁSÁRÓL ÉS A 653/2007/EK RENDELET MÓDOSÍTÁSÁRÓL SZÓLÓ A BIZOTTSÁG 2011. MÁJUS 10-I 445/2011/EU RENDELET HATÁLYA ALÁ NEM TARTOZÓ VASÚTI JÁRMŰVEK

JÁRMŰTÍPUS	A VHF/44843-3/2019-ITM számú határozat 1. sz. melléklet

telephelyi javítása, karbantartása nem helyhez kötött: IGEN [X] NEM [ ]

időszakos és rendk

TELEPH

BKV Vas

5. KIEGÉSZ

VHF/44843-3/2019-IT

Kibocsátás dátuma:

Budapest, 2019. júniu

Hivatkozási szám:

HU 38 2019 0006

DVS ZERT

Welding Certificate

DVS ZERT-EN1090-2-SZ-2024.0532.001

in accordance with EN 1090-1, table 8.1, its hereby declared:
The manufacturer has produced evidence that he fulfills the requirements of the European standard EN 1090-2 for execution of structural steel components

Manufacturer	BKV Vasúti Járműjavító Kft. Fehér út 1/b 1106 Budapest HUNGARY
Technical specification	EN 1090-2:2018
Execution class(es)	EXC2 according to EN 1090-2
Welding Process(es)	111 - Manual metal arc welding 131 - Metal inert gas welding 135 - Metal active gas welding 141 - TIG gas tungsten arc welding 786 - Capacitor discharge stud welding with tip ignition
Material Group	1.1, 1.2 according to CEN ISO/TR 15608 and EN 1090-2, table 2 and 3 8.1 according to CEN ISO/TR 15608 and EN 1090-2, table 4
Responsible Welding Coordinator	Benjámin Végh, IWE born on: 12.08.1991
Substitute	see reverse
Confirmation	All provisions concerning welding as described in the above mentioned technical specification(s) were applied.
Validity start	23.10.2024
Period of validity	11.08.2027
Remarks	
Place and date of issue	

DVS ZERT

CERTIFICATE

D-ZE-16083-01-00-ISO3834-2024.0277.001

DVS ZERT GmbH hereby certifies that the company

BKV VJSZ
BKV Vasúti Járműjavító Kft.

BKV Vasúti Járműjavító Kft.
Fehér út 1/b
1106 Budapest
Hungary

has furnished proof to fulfil
the quality requirements for welding according to

EN ISO 3834-2:2021

in the extent mentioned on the reverse side.

validity: 23.10.2024 until 11.08.2027

Düsseldorf, 23.10.2024
Place and date of issue
Dipl.-Ing. Nagy
Lead Assessor

Dipl.-Ing. Gurschke
Head of certification body

DVS ZERT GmbH, Aachener Straße 172, 40223 Düsseldorf, GERMANY

DAkkS

DVS ZERT

CERTIFICATE

Welding of railway vehicles and components according to
EN 15085-2:2020+A1:2023

ZE-16083-01-00-EN15085-2015.0324.008

DVS ZERT GmbH hereby certifies that the welding company

BKV Vasúti Járműjavító Kft.
Fehér út 1/b
1106 Budapest
Hungary

fulfills the requirements
for the scope according to

EN 15085-2 classification level CL1
in the type of activity P, M, S

in the range indicated in the annex.

validity: 2024-10-23 until 2027-08-11

Düsseldorf, 2024-10-23
Place and date of issue

Lead auditor: Dipl.-Ing. NAGY

Dipl.-Ing. GURSCHKE
Head of certification body

DVS ZERT GmbH, Aachener Straße 172, 40223 Düsseldorf, Germany

DAkkS

ISO 9001
ISO 14001

BUREAU VERITAS
Certification

BUREAU VERITAS 1828

Manifacturing of sheet metal components

Laser Cutting

- DURMA HD-FS 3015

  6kW Fiber laser cutter

  - Steel processing 25mm
  - Alumínium 16mm
  - Stainless steel 16mm
  - Copper 6mm

Manufacturing of sheet metal components

Bending

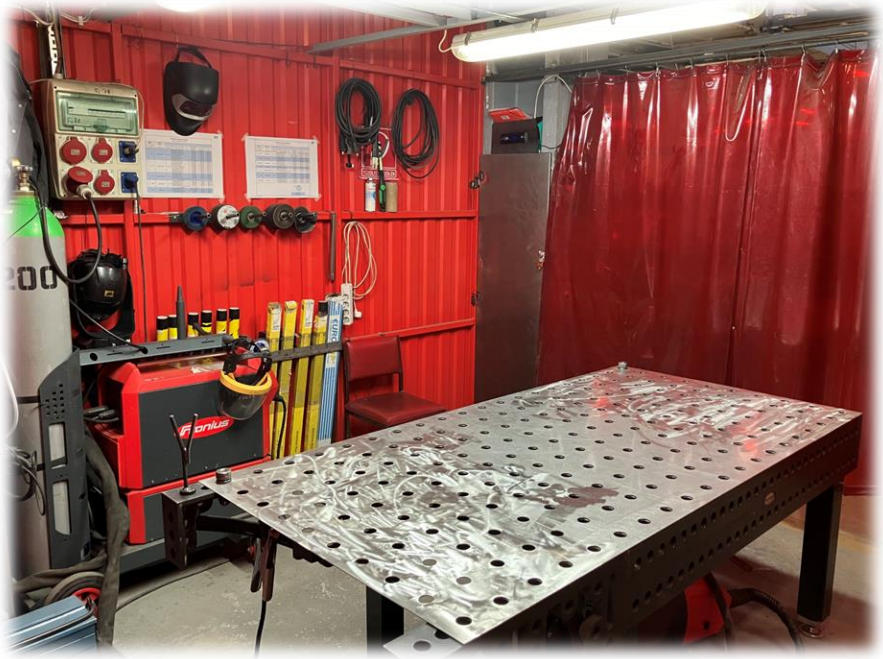
DURMA AD-R 30175 Press Brake

- Lenght: 3 m
- Material tickness: 6 mm

Manufacturing of sheet metal components

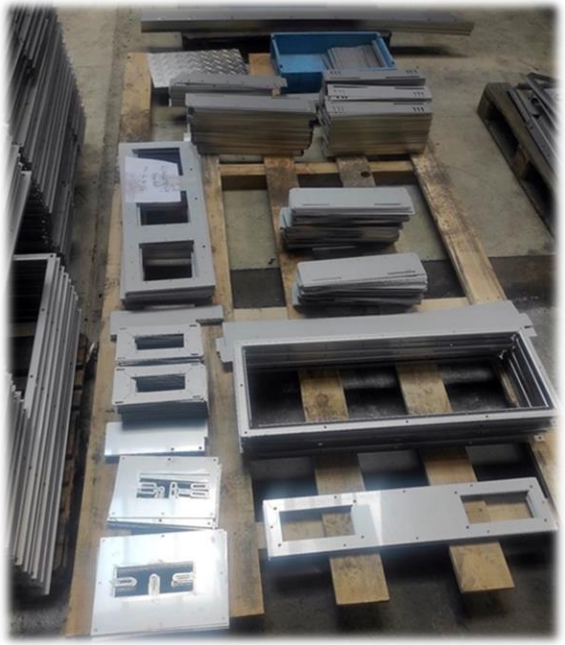
Welding

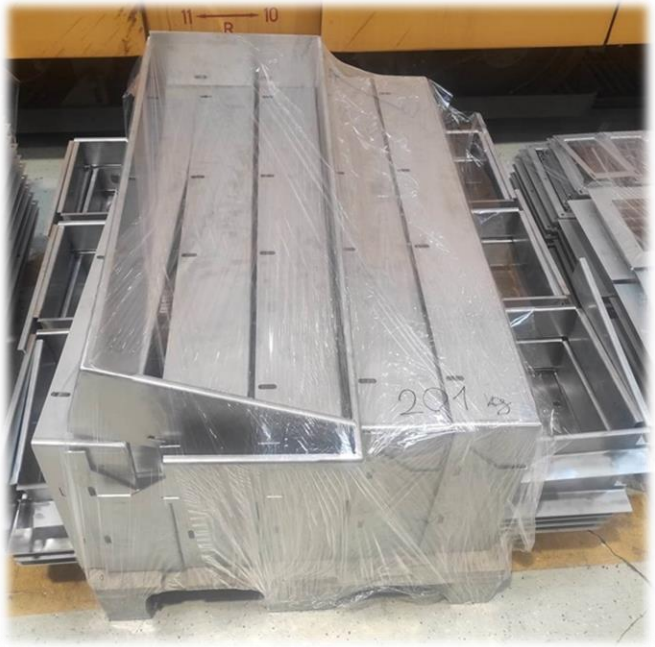
- ~ 80 – 100 pcs welding machines,: Fronius, Kemppi, Rehm, B-Max, Soyer
- Welding processes: 131/131; 141; 111; 786
- Applied material groups
  - Structural steel
  - Stainless steel
  - Alumínium
- Other tools: Siegmund welding tables with accessories, rotators for manual and mechanized welding



Manufacturing of sheet metal components

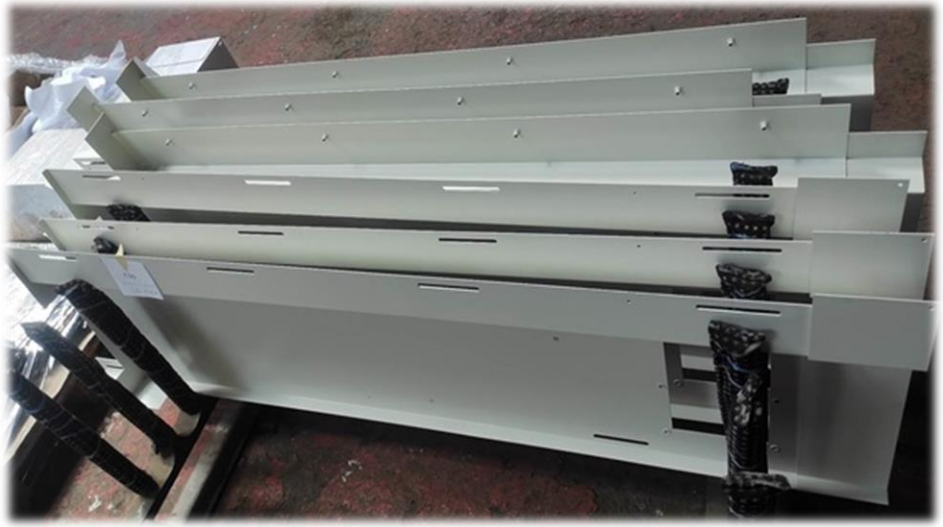
air duct elements

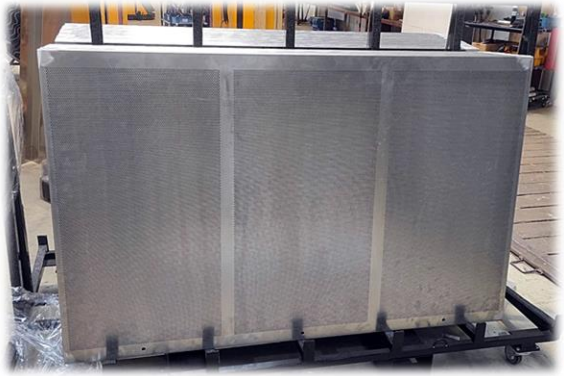




Manufacturing of sheet metal components

ceiling panels (raw, powder-coated or painted)





Machining

Turning

NCT BNC-1840 Lathe (CNC)

- Swing diameter: 710 mm
- Turning length: 1000 mm
- Workpiece weight: 1500 kg
- Precision: ±0,005 mm

Machining

Milling

VESTA-1000 CNC Machining center

- high-precision machining

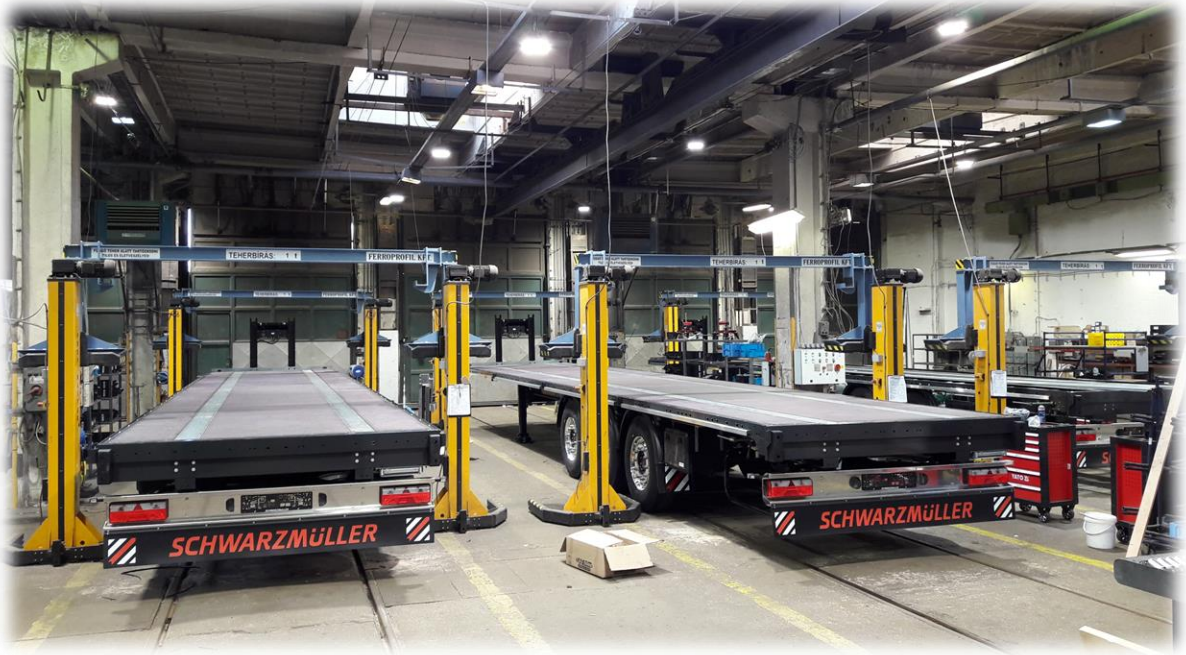
Other milling machines

Manufacturing of frame structures

- Made of laser-cut, bent, pre-sandblasted elements
- Assembly and final welding
- Schwarzmüller chassis manufacturing:
  - a large percentage of the parts prodced by BKV Railway Vehicle Repair Ltd.
  - The chassis is assembled 100% by BKV Railway Vehicle Repair Ltd.

We are not currently performing this activity!

Schwarzmüller trailer surface treatment, painting, assembly to the floor level, under-run protection manifacturing



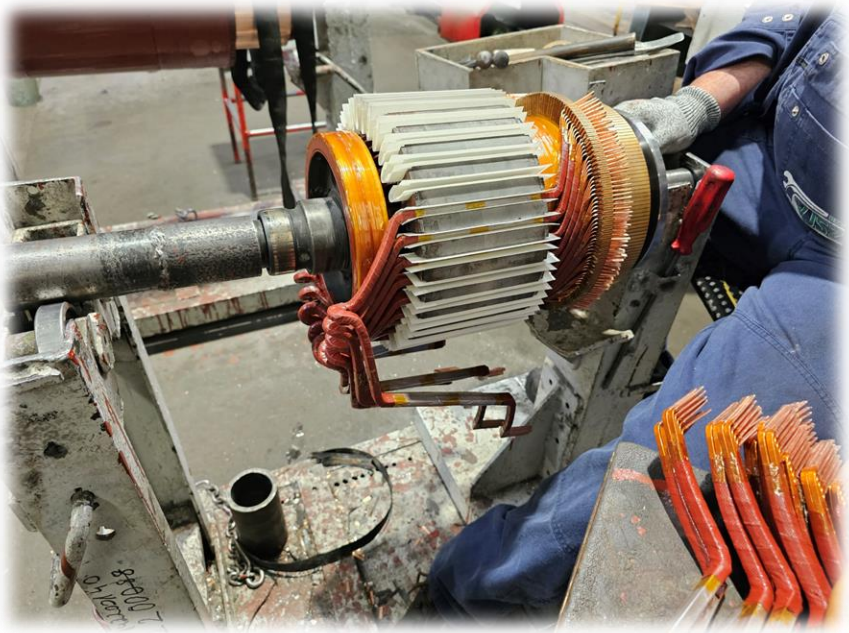
We are not currently performing this activity!

Surface treatment: sandblasting, painting

- 3 separate steel-shot sandblasting units:
  - Free blasting (for railway vehicles and large components)
  - Automated *(for smaller parts and bogie units)*
  - *Roller conveyor (for materials up to 13 m in length)*
- Painting cabines for railway vehicles, large components
- Mobil painting cabine for bogie units, smaller components

Assembly activities

- Instrumental and e lectronics activities, assembly and testing of control units, light fixtures, switch boxes



CAF Urbos jármű összeszerelési munka

- Complete assembly of 41 CAF Urbos vehicles (36 pcs 5-module and 5pcs 9-module)
- Performing dynamic tests of 41 self-assembled and 10 additional CAF Urbos type 3 vehicles and participating in the official examination.
- Project duration: 2024-2026

References

- Svedy Kft.
- Szikametró89 Ipari és Szolgáltató Kft.
- Dunakeszi Járműjavító Kft.
- NIFEX Felületvédelmi és Kereskedelmi Kft.
- Alumíniumgyár Zrt.
- Schwarzmüller Kft.
- Siemens Mobility Kft.
- CAF S.A.

Köszönjük a megtisztelő figyelmet!

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