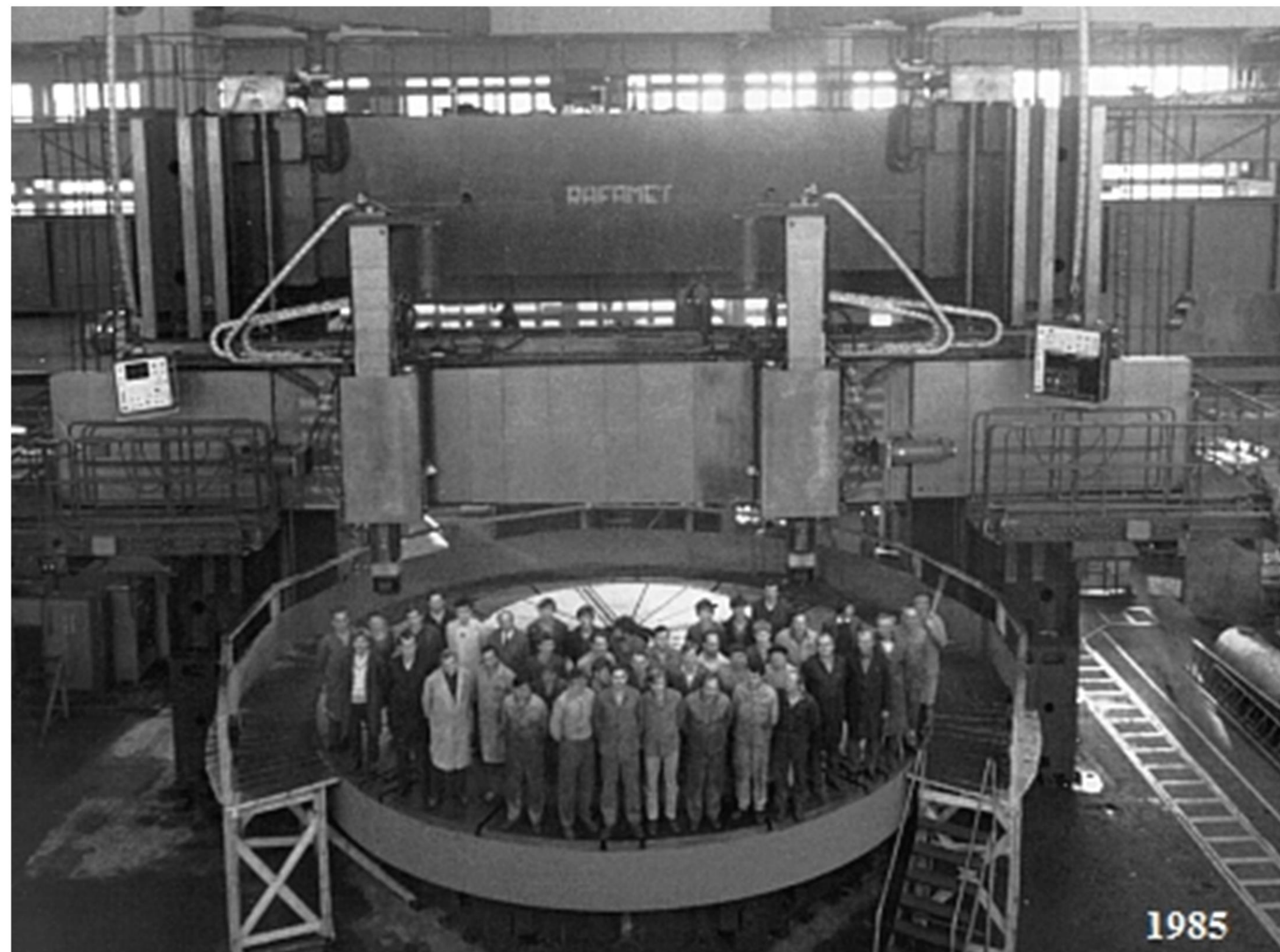




Precision & Performance

Timeline



1846

After the start-up of the Berlin - Vienna railway line (which ran through Kuźnia Raciborska), the first steel plant called "Hope" is founded right next to the railway station. In the second half of the nineteenth century, a rolling mill and an cast iron foundry is added.

1889

Takeover of the factory by Wilhelm Hegenscheidt. During that time, the factory is manufacturing various building equipment and products for railways (such as bolts and axles for wheel sets).

1946

After World War II, the RAFAMET comes into being. During the next few years the company acts under the name "RAFO".

1996

The company's shares are admitted to be traded on the over the counter market CeTO S.A., making it the first company in Poland to do so.

2016

Acquisition of the POREBA trademark.

1920

The first lathe for machining of heavy wheel sets is produced.

1964

As an economic experiment, RAFAMET (and three other Polish companies) acquires the right to independent export and import activities without the Central Foreign Trade Agencies.

2002

ARP S.A. (Industrial Development Agency) becomes a main shareholder of RAFAMET S.A.

2023

The governmental Industrial Development Agency takes possession of the 93% packet of the company's shares.

RAFAMET S.A.



RAFAMET S.A. is located at Staszica 1, 47-420 Kuźnia Raciborska, Silesia Region, Poland



ARP S.A. (Industrial Development Agency) is the main shareholder of the Company, which holds 95,5 % of the Company's shares.

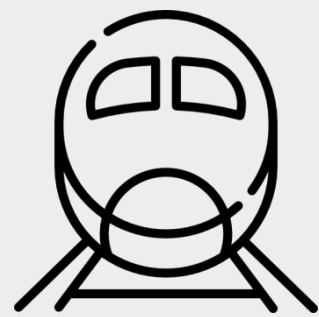


RAFAMET employs around 250 highly qualified employees

RAFAMET Product line & Services

RAFAMET S.A. manufactures special-purpose machine tools for wheelset machining and is one of the leaders on the global market.

RAFAMET is also a widely recognized and respected supplier of heavy-duty special-purpose machine tools for the customers in the machine-building, power generation, metallurgical, shipbuilding, and defense industries.



Machines for Railway

Machine tools for wheelset machining (wheels and axles), rail vehicle bogies. It also offers rail-road shunting vehicles, as well as measuring devices for the wheel geometry and flaw detection.



Vertical & Horizontal Turning Lathes

The heavy-duty vertical & floor-type horizontal turning lathes are intended to perform turning and boring operations of cylindrical, conic, and curved surfaces as well as complex-shaped large-size workpieces



Overhauls & Modernisations of Machine Tools

General overhauls, modernisations and relocations of machine tools of RAFAMET, PORĘBA and other makes. We also ensures after-sale services including technical suport and repairs of the machine tools.



Large Part Machining

Directed to a selected group of customers interested in contract machining services on the large size CNC milling machines, as well as vertical turning and milling centres.



Castings

Iron castings made from grey, ductile and alloy iron, which specializes in the production of large and heavy castings in small-batch series, weighing up to 40,000 kg.

ABOVE FLOOR WHEEL LATHES

5



The RAFAMET above wheel lathes are built on the base of extremely rigid, single-piece, heavily-ribbed, high-grade grey iron casting of the main structure, allowing operation in roll-in roll-out or roll-through systems and providing efficient chip disposal. Surface wheel lathes are able to execute operations, including turning wheel profiles according to a technological program, facing of brake-disc friction surfaces and turning of wheel centres.



Basic technical data of the portal wheel lathe **UFD 140 N**:

- Wheel tread diameter – 540-1400 mm
- Max. width of wheel rim – up to 150 mm
- Length of wheelset axle – 1650-2600 mm
- Max. weight of wheelset – up to 5 [x10 kN]



- **roll-in roll-out / chuck type**: UBF 112 N
- **roll-in roll-out / friction drive**: UFB 125 N
- **roll-through / chuck type**: UDA 125 N
- **roll-through / friction drive** : UFD 140 N

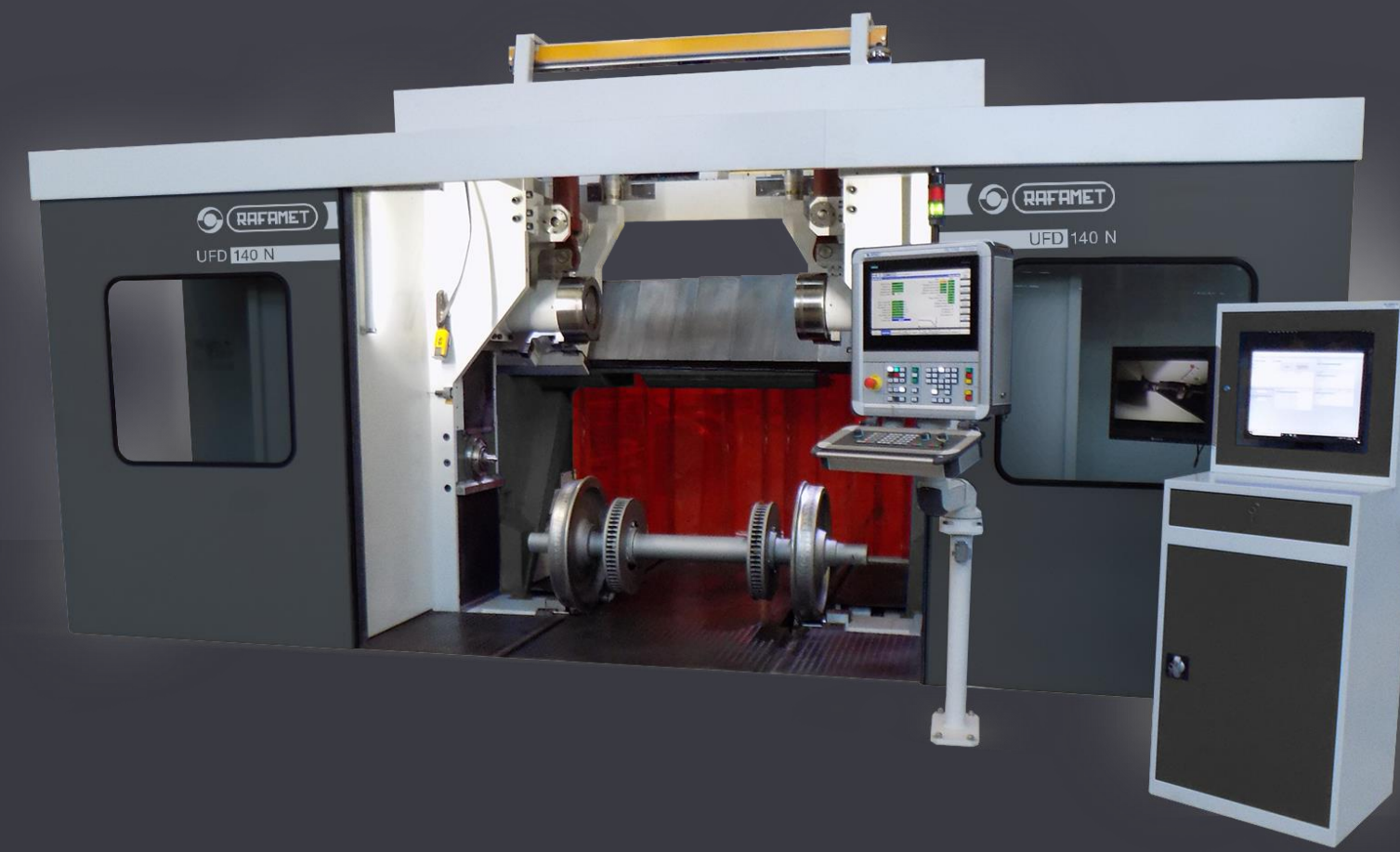
UBF Series



UDA Series



UFD Series



UNDERFLOOR WHEEL LATHES

6



Underfloor wheel lathes are designed for machining wheel profiles and facing brake discs on wheelsets used in rail transport vehicles (trams, metros, suburban, freight trains and locomotives), without the need to disassemble them from the vehicle. The lathe sits under the rails in the pit, and the lathe's fixed and extendable rails create a track, allowing the vehicle to pass over the machine. They are also available in a tandem configuration, enabling simultaneous machining of two wheelsets from the same bogie.



Basic technical data of the single underfloor wheel lathe **UGE 180 N**:

- Wheel tread diameter – 350-1270 mm
- Max. width of wheel rim – up to 145 mm
- Continuously variable cutting speed for wheel profile machining – 20-90 m/min
- Max. axle load – up to 30 [x10 kN]



- **Axle load up to 18/30 tonnes:** UGE 180 N
- **Axle load up to 30/40 tonnes:** UGE 300 N

UGE 180 N Series



UGE 300 N Series



OTHER SOLUTIONS FOR RAILWAY

7



Our offer also includes other products for the railway industry, such as: wheel boring machines for comprehensive machining of a railway wheel, horizontal lathes for turning axles of wheel sets, measuring stations and rail-road shunting vehicles.



Basic technical data of the rail-road shunter **3RS**:

- Max. weight to shunt – 350 / 800 t
- Battery capacity – 320 / 630 / 1000 Ah
- Max. speed on road an rails without load – up to 6 kmph
- Max. speed of rails with load – up to 2 kmph

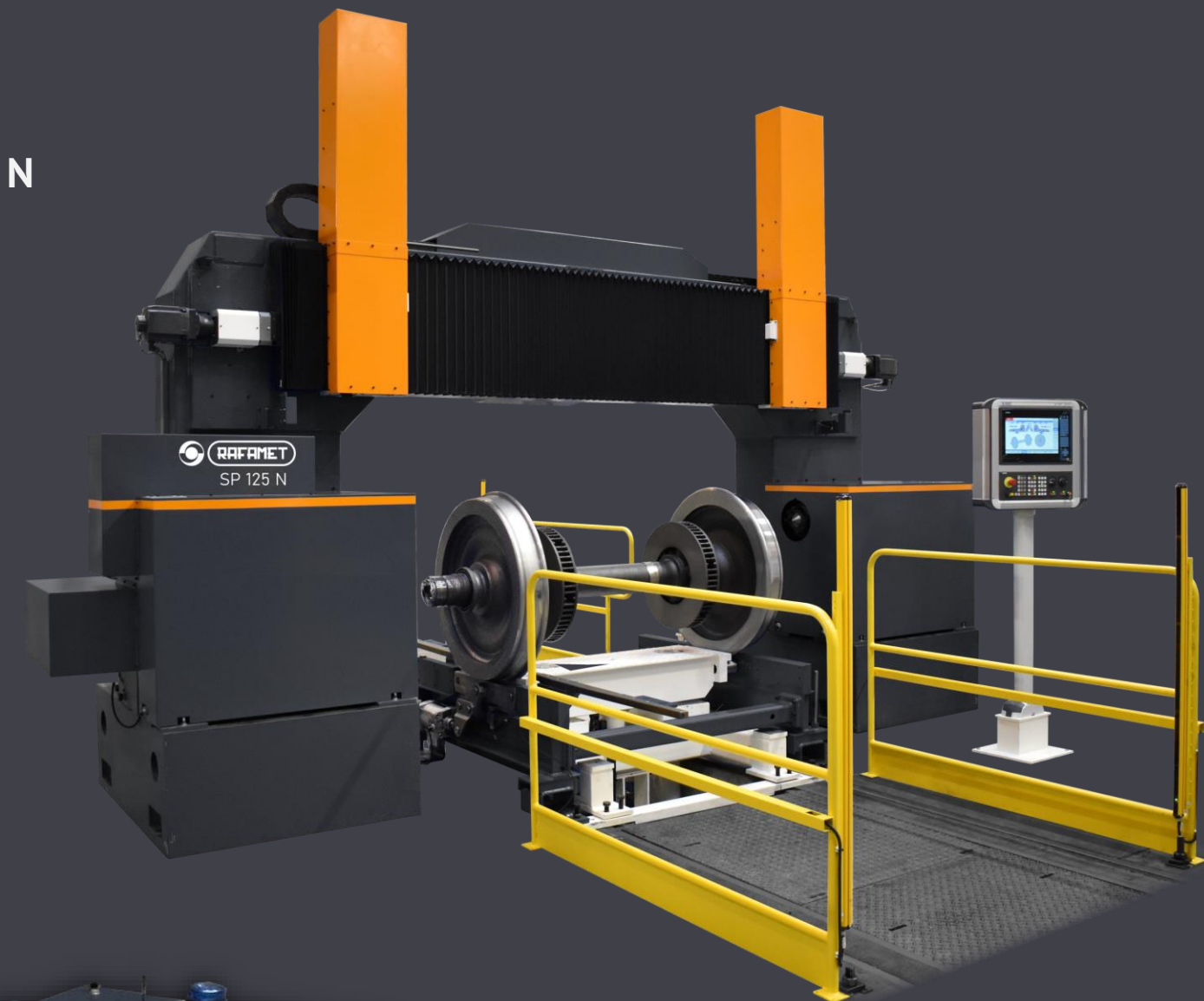


- **Wheel boring machine:** KCM 150 N
- **Turning lathe for axles:** TOK 80 N
- **Tuning lathe for axles and wheelsets:** TCG 135 N
- **Measuring station:** SP 135 N

TCG 135 N



SP 125 N



3RS Series



HEAVY- DUTY VERTICAL TURNING LATHES



The heavy-duty vertical turning lathes are intended to perform turning and boring operations of cylindrical, conic, and curved surfaces as well as complex-shaped large-size workpieces of weight up to 350 tonnes, of outer diameter up to 16,000 mm, and of height of turning up to 7,000 mm. The application of the CNC system provides automatic and productive machining controlled by technological program.



Basic technical data of the **KDC 700 N**:

- Max. table diameter – up to Ø 10000 mm
- Max. swing diameter – up to Ø 13000 mm
- Max. turning height – up to 8000 mm
- Max. weight of workpiece – up to **250 tonnes**

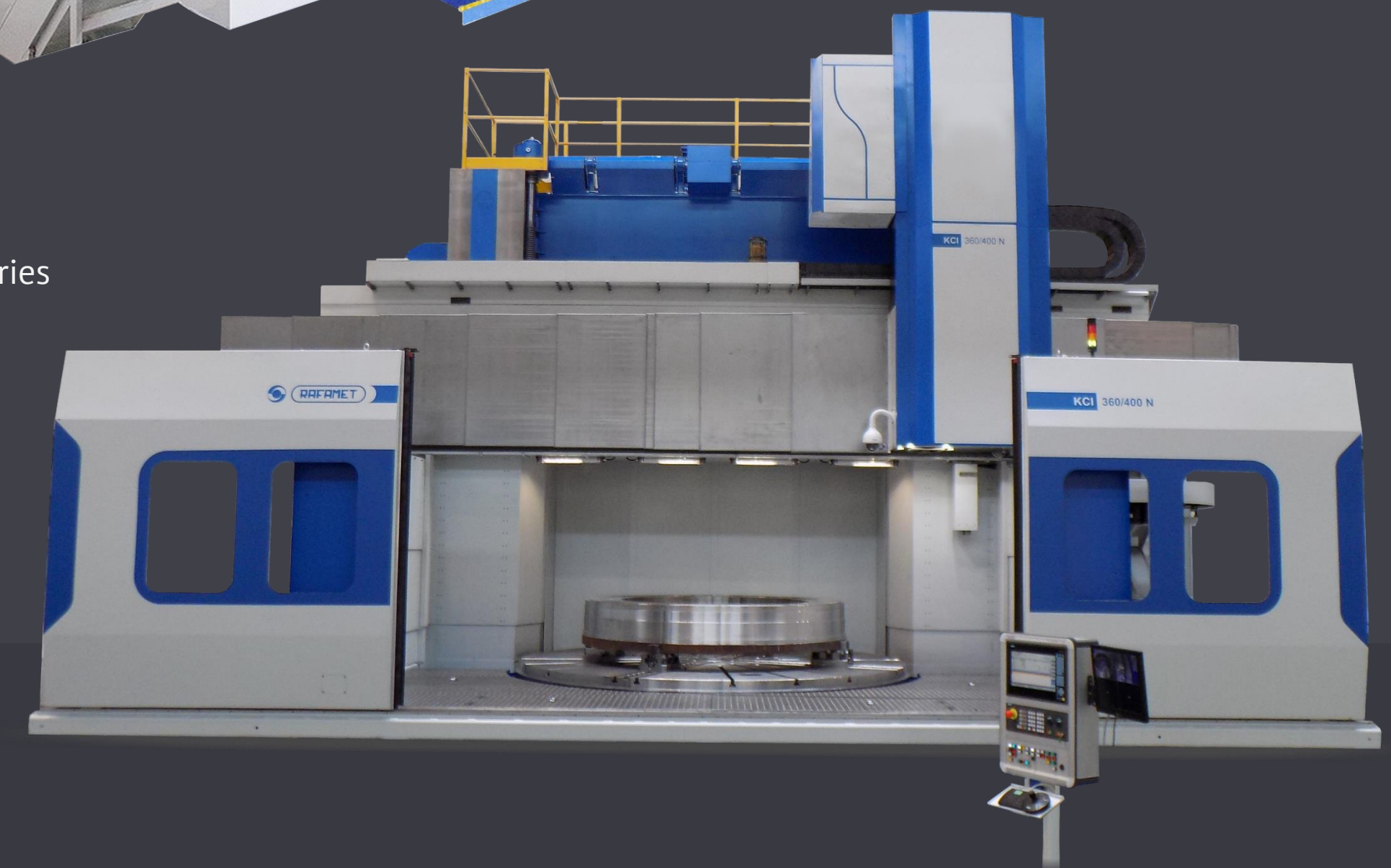


- Up to **250 t**: KDC Series
- Up to **150 t**: KCI Series

KDC Series



KCI Series



POREBA HORIZONTAL LATHES

9



The offered horizontal lathes are capable of roughing and finishing of workpieces of up to 100 tonnes in weight and up to 4500 mm in outer diameter, made of grey iron, ductile iron, steel, custom steel and steel alloys. The machine tools are applicable in the metallurgical, mechanical, defence, power, mining, paper and shipbuilding sectors.



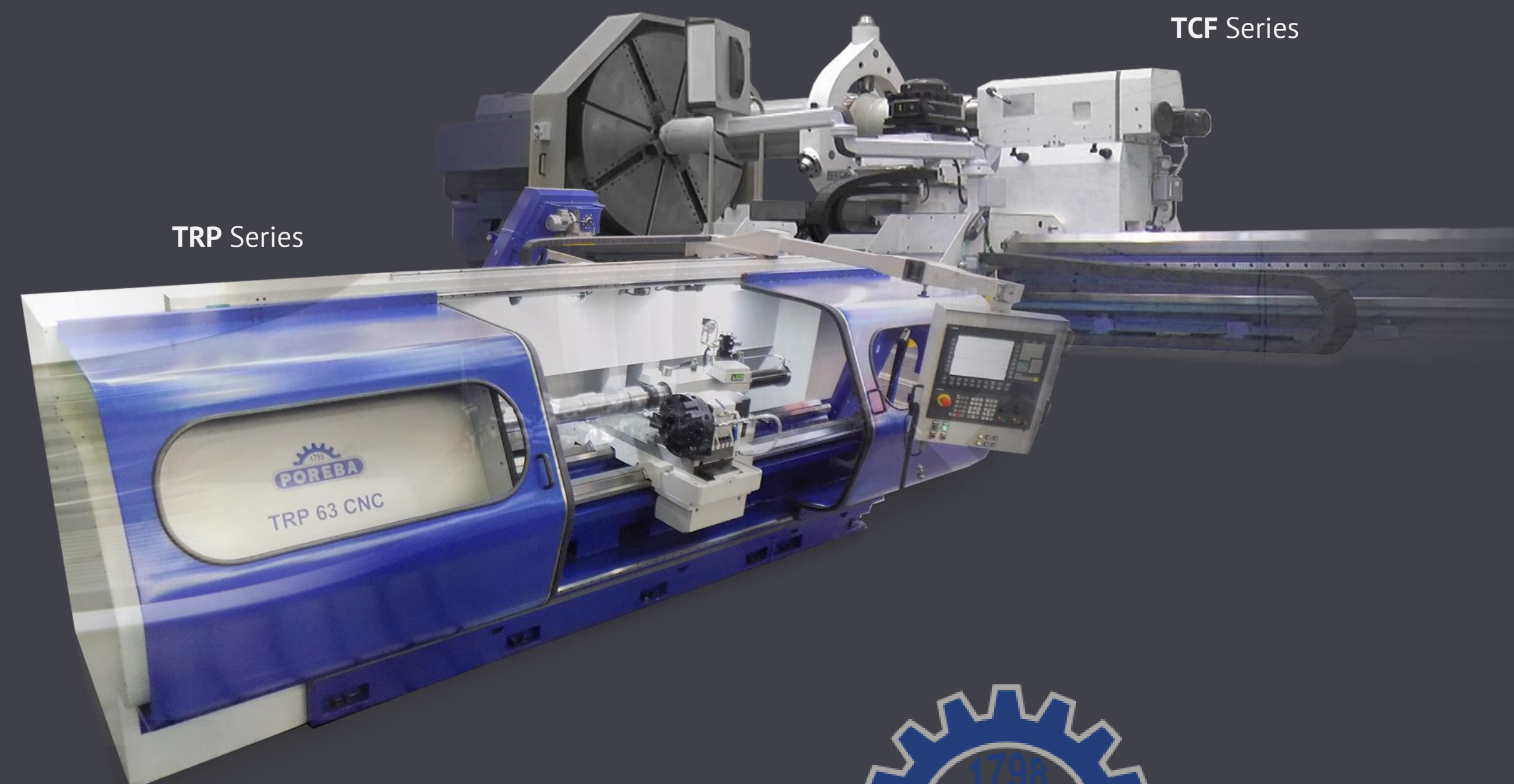
Basic technical data of the **TCF 200 CNC**:

- Swing over bed – up to Ø 2000 mm
- Swing over carriage – up to Ø 1600 mm
- Distance between centres – 3000 ÷ 25000 mm
- Max. weight of workpiece – up to **40 tonnes**



- up to **120 t**: TTV Series
- up to **80 t**: TZL, TCE Series
- up to **30 t**: TCF, THG Series

- up to **18 t**: TCM Series
- up to **9 t**: TRB Series
- up to **6 t**: TRP, TOK Series



OVERHAULS & MODERNISATIONS OF MACHINE TOOLS

General overhauls, modernisations and relocations of machine tools of RAFAMET, POREBA and other makes.

The overhaul offer cover the following activities:



Reconditioning of major components of machine tools



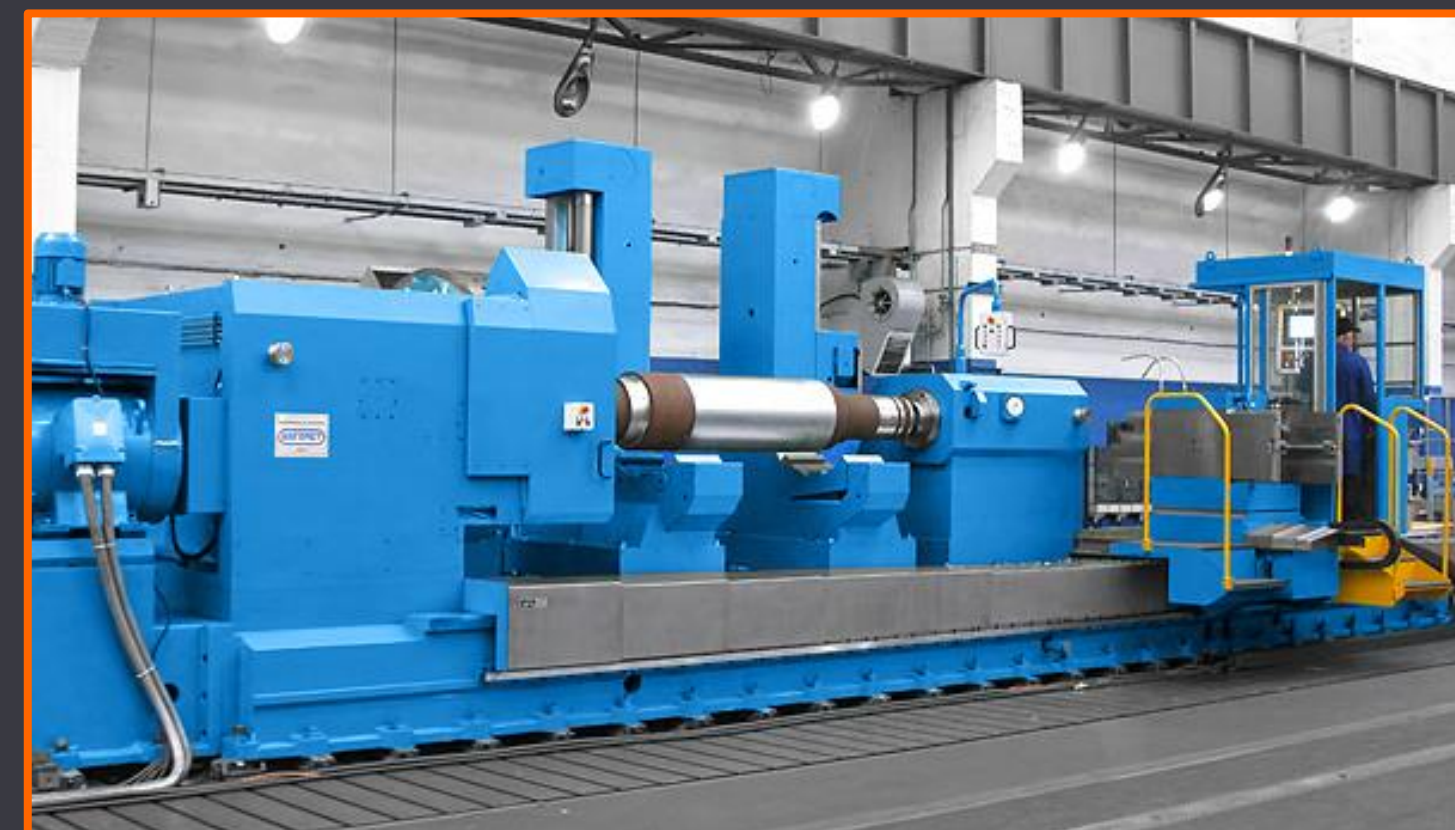
Replacement of mechanical components



Overhauls and modernisations of hydraulic systems



Overhauls of electrical equipment and modernisations of control systems



LARGE PART MACHINING

Turning:	RAFAMET CNC Horizontal Turning Lathe Ømax = 1,100 mm; Lmax = 4,000 mm; Qmax = 9,000 kg
	RAFAMET CNC Vertical Turning Lathe Ømax = 8,500 mm; Hmax = 3,850 mm; Qmax = 120,000 kg
	RAFAMET CNC Vertical Turning Lathe Ømax = 3,200 mm; Hmax = 2,000 mm; Qmax = 15,000 kg
Milling & Drilling:	WALDRICH COBURG CNC Planer Mill Table surface: 8,000 × 2,400 mm Working envelope: X – 8,000 mm; Y – 2,600 mm; Z – 2,700 mm
	LINÉ CNC Planer Mill Table surface: 14,000 × 3,100 mm Working envelope: X – 14,000 mm; Y – 3,600 mm; Z – 3,600 mm
	WALDRICH COBURG CNC Planer Mill Table surface: 2x4,000 × 2,500 mm Working envelope: X - 11,000 mm; Y - 4,000 mm; Z - 1,500 mm
	CNC Planer Mill Table surface: 4,000 × 2,200 mm Working envelope: X - 4,200 mm; Y - 2,400 mm; Z - 1,100 mm
Horizontal Boring:	RAFAMET CNC Horizontal Boring Machine Table surface: 5,000 × 6,000 mm; Spindle diameter: 200 mm Working envelope: X – 5,000 mm; Y – 4,000 mm; Z – 2,250 mm
	VARNSDORF TOS CNC Horizontal Boring Machine Table surface: 1,800 × 2,200 mm; Spindle diameter: 130 mm Working envelope: X – 3,500 mm; Y – 2,500 mm; Z – 1,250 mm
Grinding:	HOSTIVAR TOS Cylindrical Grinding Machine Ømax = 600 mm; Lmax = 2,900 mm; Qmax = 2,000 kg
	NAXOS-UNION Cylindrical Grinding Machine Ømax = 600 mm; Lmax = 5,000 mm; Qmax = 2,500 kg
	WMW Flat Surface Grinding Machine Lmax = 4,000 mm; Wmax = 1,450 mm; Hmax= 1,000 mm; Qmax = 20,000 kg
	WMW Flat Surface Grinding Machine Lmax = 2,500 mm; Wmax = 800 mm; Hmax= 685 mm; Qmax = 2,700 kg

Please contact us at the following e-mail address: cnc@rafamet.com.pl



RAFAMET FOUNDRY

CASTINGS



Grey iron

- EN-GJL 200
- EN-GJL 250
- EN-GJL 300
- EN-GJL 350
- Castings of single-piece weight up to **40000 kg**



Ductile iron

- EN-GJS 400-18
- EN-GJS 400-15
- EN-GJS 400-12
- EN-GJS 500-7
- EN-GJS 600-3
- EN-GJS 700-2
- Castings of single-piece weight up to **30000 kg**



Special alloy cast iron

- Ni-hard
- Ni-resist
- Castings of single-piece weight up to **20000 kg**

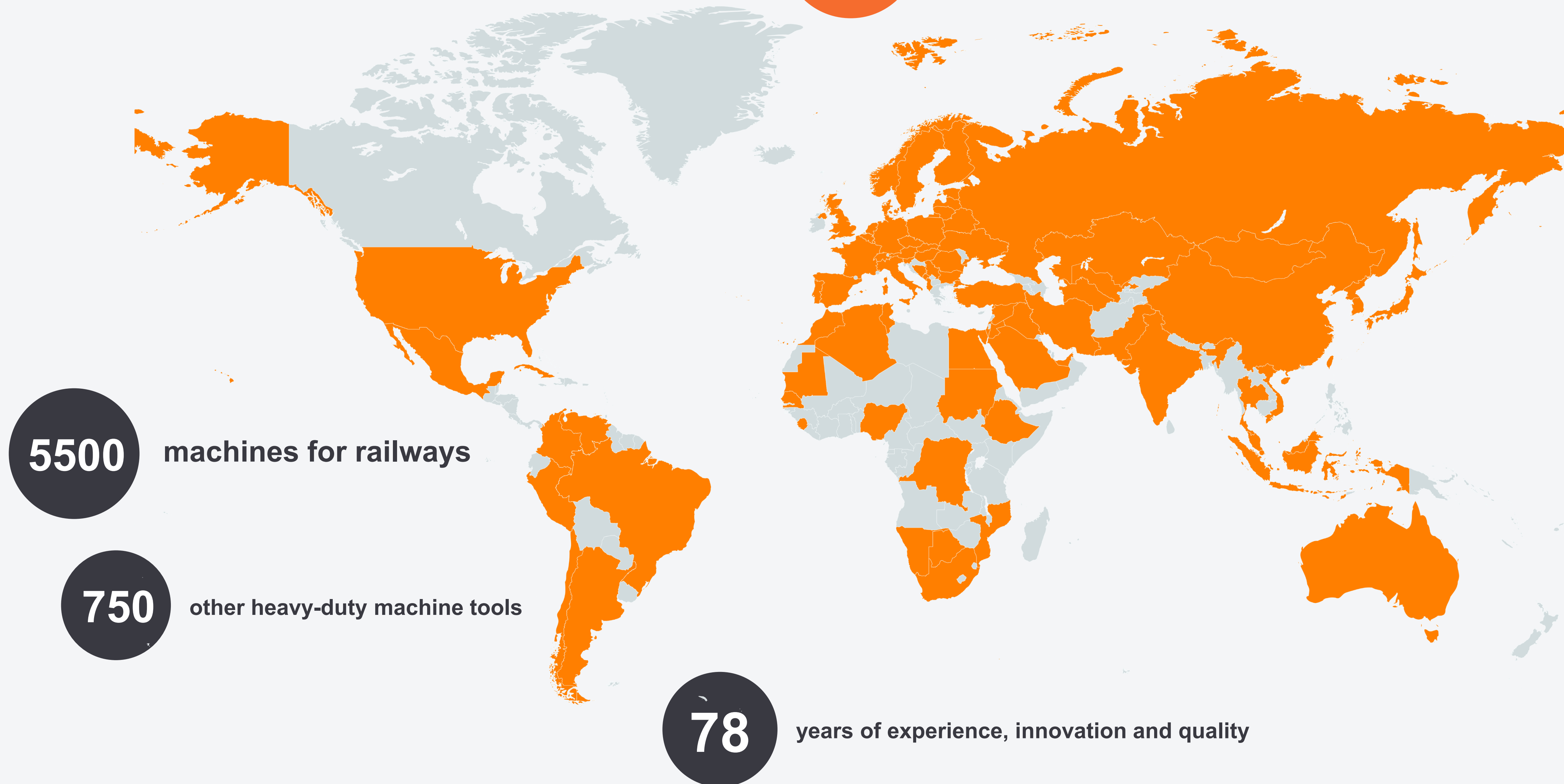
SATISFIED CUSTOMERS ALL OVER THE GLOBE

Over...

90

Countries around the world

13



RAFAMET

Professionalism in every aspect

Engineering & programming

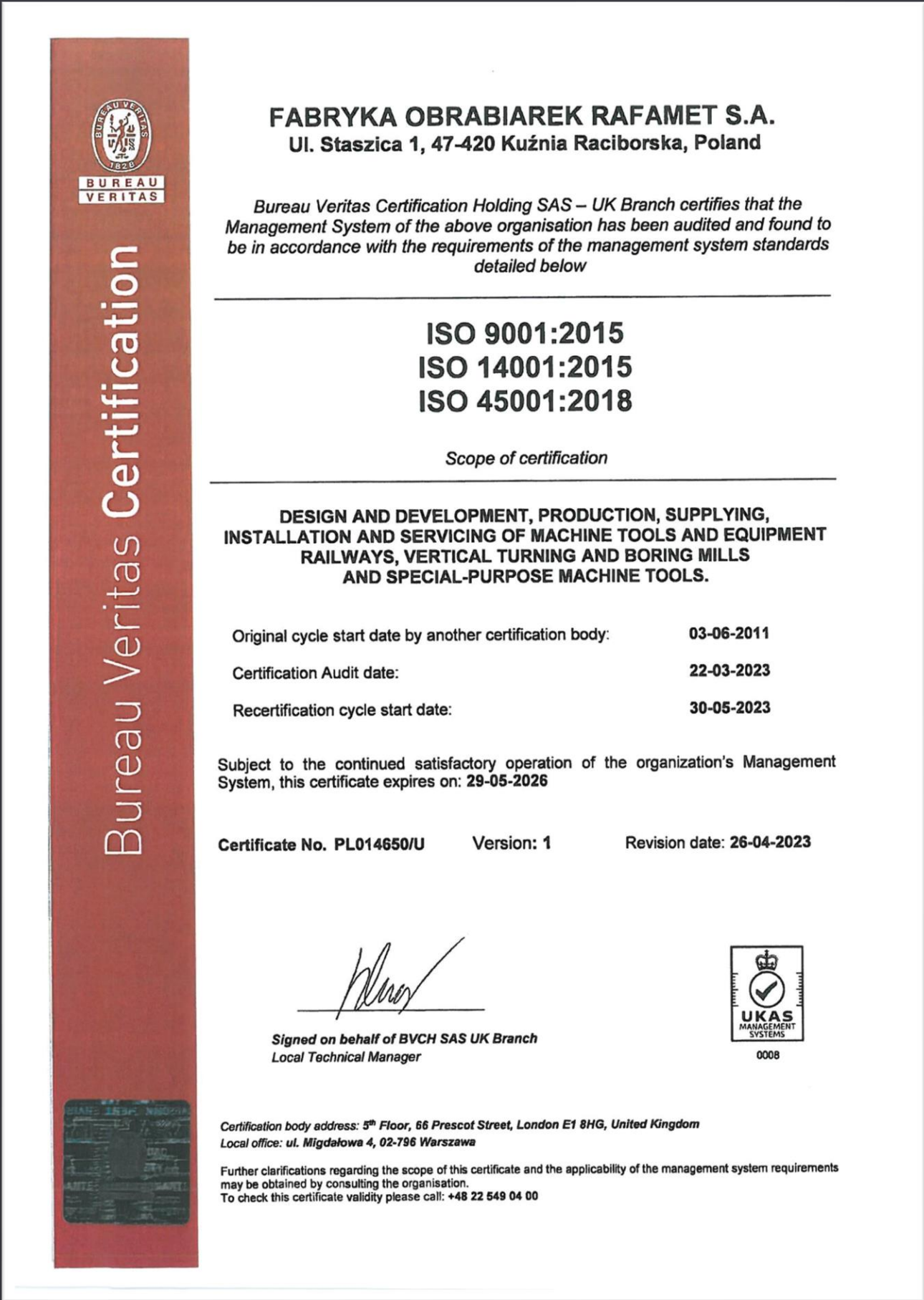
Thanks to our own highly qualified engineering and programming team, plus extensive knowledge and hands-on experience in applications, we deliver the best engineering solutions to customers. As a result, we continually develop new product lines to meet the specific needs of various metalworking industries. Embracing this value means understanding that change and adaptation are essential to face new technological challenges. Moreover, our innovation processes often rely on close collaboration with customers.

Service & technical support

From concept to production and maintenance, RAFAMET ensures machines operate at peak condition. We provide professional training and technical service. During installation, operators and maintenance staff receive targeted training on usage and upkeep for optimal performance and reliable operation. RAFAMET users have access to dedicated remote diagnostics that connect with machine control systems for instant fault detection and reporting.

INTEGRATED MANAGEMENT SYSTEM

Our principal goal is to provide products and services of quality satisfying our Customers, whilst maintaining safe working conditions and respecting the natural environment. The company's business strategy is based on the Integrated Management System, which fulfills the following standards: ISO 9001, ISO 14001 and ISO 45001. All of this is according the certificate of the Bureau Veritas Certification.





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SHOULD YOU REQUIRE ANY FURTHER INFORMATION, PLEASE DO NOT HESITATE TO CONTACT US:

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