



Mining and Tunneling

**Utility Vehicles - Dump Trucks -
LHDs - Scalers - Grader -
Special Solutions**



**STRONG. STABLE. DURABLE.
EVERY DAY.**

Strong. Stable. Durable.

Every day.

- Reliability and durability in every situation
- Sufficient performance and power for every application
- Agility and speed even in narrow space
- Reliability in the best quality

A family business with a feeling for the truly important things

Paus stands for efficiency, quality and sustainability in true mechanical engineering tradition. As a family business, we develop construction machines, mining and tunneling vehicles and lift technology at our Emsland site in Emsbüren, Germany.

Our goal: Your success! Paus machines will enable you to continually master even the toughest challenges.



See our
corporate video



We provide solutions that are as unique as your requirements

As **"the people who care"** we are in close and constant contact with our customers in order to understand their needs and always to deliver solutions that best suit their individual applications.

All our mining and tunneling machines are "purpose built" and manufactured to the high standard of "Made In Germany".

The wide portfolio, the variety of options, and the customized features available for with our machines provide the basis for almost every task, regardless how individual the solution needs to be.

All Paus equipment for mining and tunneling are explicitly designed and built for the challenging operating conditions underground. The UNI and MinCa series are just examples of our transport and production solutions. They are designed as platform vehicles and are available with fixed superstructures. The UNI 50 series are available with either fixed cassettes or cassette systems.

With the cassette system, it is possible to change between a wide choice of cassettes for different tasks and providing the basis of the most economical fleet configuration for operations.

Paus also offers a wide range of LHDs, dump trucks, service vehicles, working platforms, scalers, road maintenance equipment, and others.

Besides the continuous improvement of the products and enhancement of the available technologies, Paus also offers forward facing solutions like; BEV, IoT interfaces, remote and teleoperations, improved safety features, and many more.

With our global network, direct OEM service support from Germany, individual training programs, our online catalogs, online parts catalogs, and digital support through the PAUS CONNECT system we are close to our clients anywhere in the world...

the people who care!



Solution Scout

SOLUTION SCOUT		UNIVERSA 55	UNI 40 Series	MinCa 18 A Series	MinCa 5,1 Series	P-MTC 10	TSL 853 (T7)	Grader PG 10 HA	PScale 8-T	PScale 10-T (LP)	PFL 8	PFL 10	PFL 20	PFL 30	PMK 8000 Series	PMK 10000 Series	PMK 12000 Series	KRF 40	KRF 40.10	PTM 100	853 HH8	MRV 9000*	PCB 450*	PCB 1700*	PSF 200*
Material and Production Logistics	Material Handling Truck	x	x	x	x	x	x																		
	Tank Truck	x	x	x																					
	Crane Truck	x	x	x		x	x												x						
	LHD					x	x				x	x	x	x											
	Dump Truck	x													x	x	x								
	Multi Purpose Tool Carrier					x	x																		
	Rock Breaker																						x	x	
	Water Cannon	x	x																						
	Roadheader																			x					
	Passenger Transport	x	x	x																					
Fleet Service	Fuel and Lube Truck	x	x	x																					
	Mobile Workshop	x	x	x																					
	Tire Handler	x	x			x	x																		
Concrete Works	Concrete Sprayer	x													x	x	x								
	Concrete Mixer	x	x												x	x	x								
Explosive Works	Explosive Charger	x	x	x		x	x																		
	Explosive Transporter	x	x	x																					
	„Hang-up“ Handler																			x					
Gallery Maintenance	Grader						x				x	x	x	x											x
	Rail Vehicle																	x	x						
	Scaler								x	x															
	Working Platform	x	x	x		x	x																		
Mine Safety	Fire Fighting Truck	x		x																		x			
	Ambulance			x																					
	Mine Rescue Vehicle																				x				
Multi Cassette Trucks	Multi Cassette Truck	x	x	x		x	x				x	x	x	x	x	x									
	Flameproof Vehicle	x		x									x	x											
	Electric and Battery Solution	(x)	(x)	(x)	(x)				(x)	(x)	(x)	(x)	(x)	(x)											

UNIVERSA 55-Series

THE FLEXIBLE ONE

See the
UNIVERSA 55
in action



- The UNIVERSA 55 is the successor of the proven UNI 50-3 and can also be customized with a high variety of options and configurations.
- The standard version of the machine is already equipped with a wide range of features and improvements.



HIGHLIGHTS

- Modular design: Pre-assembled modules with intelligent interfaces
- Wide range of quick interchangeable cassettes for transporting people or material
- The front axle suspension system makes driving comfortable
- Spacious, comfortable, and noise and temperature insulated cab
- Easy and safe access for service and maintenance

UNIVERSA 55-Series

TECHNICAL DATA

KEY DATA*	UNIVERSA 55	UNI 50-5
Payload	10,000 kg (22,046 lbs)	Up to 16 t (35,274 lbs)
Engine	DEUTZ, Caterpillar, Cummins	DEUTZ, Caterpillar, Cummins different exhaust stages available
Engine Power	Up to 127 kW (173 h.p.)	Up to 175 kW (232 h.p.)
Chassis	Articulated-steered chassis	
Width	2,000 mm (79 in.)	2,300 mm (91 in.)
Height	2,200 mm (87 in.)	2,500 mm (98 in.)

Further solutions and configurations on request
* depending on selected configuration

See the
UNI 50-3 LP-IH
in action



See the
UNI 50-3 FW
in action



UNI 50-Series

While the UNI 50-3, which was part of the UNI 50-Series, is the predecessor model of the UNIVERSA 55. The proven UNI 50-5 remains part of the Paus machine portfolio.

HIGHLIGHTS

- Carrier with spacious cab and fixed or interchangeable platform
- High carrying load capacities
- Large number of configuration options
- Robust, articulated chassis with hydrostatic or hydrodynamic all-wheel drive
- Low investment costs with a variety of application options

UNI 40-Series

THE COMPACT MULTITALENT



- The UNI 40 is an articulated carrier like its big brother the UNIVERSA 55. However, it is optimized in its design for working in most narrow applications. The UNI 40 series has a standard payload of 7 t (15,432 lbs.) with an engine power of up to 93 kW (25 h.p.).
- The UNI 40 comes with a wide choice of configurations and optional equipment.
- The rugged and compact carrier has a turning radius of just 3,400 mm / 133 inch and is therefore perfectly suited for narrow galleries.
- The operator can choose between fixed and interchangeable cassette modules. The flexible carrier system allows a quick and easy exchange of cassettes for various applications - e.g. equipped with cassettes such as for concrete and explosive transport, material handling, working platforms, and many more.

HIGHLIGHTS

- Compact vehicle dimensions
- Flexible thanks to various cassette system
- Low initial investment costs for fleet development – quick change system can be retrofitted
- High productivity

UNI 40-Series

TECHNICAL DATA

Further solutions and configurations on request
* depending on selected configuration

KEY DATA*	UNI 40
Payload	Up to 7 t (15,432 lbs.)
Engine	Deutz, different exhaust stages available
Engine Power	Up to 93 kW (25 h.p.)
Chassis	Articulated-steered chassis
Width	approx. 1,750 mm (69 in.)
Height	approx. 2,110 mm (83 in.)





MinCa 18 A-Series

THE COMFORTABLE ONE



- MinCa 18 A is the most durable mine carrier available with a variety of cassettes for personnel and material transportation tasks underground.
- The MinCa 18 A impresses with its unique payload of up to 4 t (8,818 lbs.) at most compact dimensions, high performance, and low emission engine setups.
- The best front and rear axle, spring, and shock absorber suspension system in the underground mining market gives not only operator and passengers high safety and comfort, but also a fast-driving performance on rough terrain.
- Standard modules and cassettes are for a wide range of applications available.

HIGHLIGHTS

- Robust vehicle engineering developed for underground applications
- Low operation and maintenance costs
- High performance, hydrostatic drive line system
- Extremely long service life

MinCa 18 A-Series

TECHNICAL DATA

Further solutions and configurations on request
* depending on selected configuration

KEY DATA*	MinCa 18
Payload	Up to 4 t (8,818 lbs.)
Engine	Deutz, different exhaust stages available
Engine Power	Up to 95 kW (127 h.p.)
Chassis	Chassis with rigid frame, steering axle at the front, suspended front and rear axle via coil springs with shock absorber
Width	approx. 2,020 mm (80 in.)
Height	approx. 2,140 mm (84 in.)



MinCa 5.1-Series

THE DURABLE ONE



- The MinCa 5.1 is the most durable and most compact mine carrier designed for daily tasks in underground mining.
 - Available configurations with single cab for driver and co-driver or dual cab for up to three additional passengers.
 - The compact carrier design impresses with a payload of up to 1.2 t for the single as well as the dual cab configurations.

- The MinCa 5.1 is equipped with the best front and rear axle, spring, and shock absorber suspension system in the underground mining equipment market. The MinCa not only gives operator and passengers high safety and comfort, but also fast driving performance on uneven rough terrain.

HIGHLIGHTS

- Full shock absorber suspension system for higher safety and better performance
 - High performance, hydrostatic drive line system
 - Low life cycle costs due to full suspension system
 - Spacious and comfortable driver's cabin
 - High sustainability (no "plastics")

MinCa 5.1-Series

TECHNICAL DATA

Further solutions and configurations on request
* depending on selected configuration

KEY DATA*	MinCa 5.1
Payload	1.2 t (2,646 lbs.)
Engine	Deutz, different exhaust stages available
Engine Power	Up to 74.9 kW (100 h.p.)
Chassis	Self-supporting body, front steering axle, spring-suspended front and rear axle, with shock absorber
Width	approx. 2,060 mm (81 in.)
Height	approx. 1,950 mm (77 in.)



P-MTC 10

THE VERSATILE ONE



- The P-MTC 10 can be used for a wide range of tasks.
- Compact, flexible and manoeuvrable machine with large working range.
- Thanks to the Paus Quick Attachment System and the ISO 3-point rear power lift, the machine can be equipped with a wide range of front and rear attachments.



HIGHLIGHTS

- Swivel and telescopic function with articulated steering (inner radius 3,750 mm)
- More flexibility: the telescopic boom covers an area of 65 m² (699,65 ft²), working height of 9.2 m (362 in.), swivels 30° to each side
- Closed Cab ensures significant noise and vibration reduction
- Cab can be 20° hydraulically tilted
- Control System offers good overview
- Diagnostic display shows current operation status of the machine

P-MTC 10

TECHNICAL DATA

KEY DATA*	P-MTC 10
Payload	3.7 t (8,157 lbs.)
Operating Weight	14 t (30,865 lbs.)
Engine Variants	CAT, Deutz
Engine Power	Up to 105 kW (141 h.p.)
Chassis	Articulated-steered chassis
Width	approx. 2,400 mm (94 in.)
Height	approx. 2,700 mm (106 in.)

Further solutions and configurations on request
* depending on selected configuration



TSL 853-Series

THE „SWISS-KNIFE“



- The TSL 853 telescopic-swivel loader, specially designed for tough conditions in mining and tunneling, sets standards in terms of reliability and multi-functionality.
- The numerous optional attachments available with the machine make it an unmatched solution in terms of versatility and applicability for almost every task.

- The combination of articulated steering ($\pm 40^\circ$) and the telescoping swiveling boom ($\pm 90^\circ$) provides incomparable mobility.
- The hydrostatic drive complements the fast and reliable maneuverability of the machine in most narrow conditions.

HIGHLIGHTS

- Quick interchangeable plate with automatic interlock
- Tool carrier for a wide variety of applications
- Optional: machine driveability from the working platform (T7)
- Robust chassis with articulated steering and hydrostatic all-wheel drive
- Low investment costs with a variety of application options

TSL 853-Series

TECHNICAL DATA

Further solutions and configurations on request
* depending on selected configuration

KEY DATA*	TSL 853
Payload	2.6 t (5,732 lbs.)
Operating Weight	8.1 t (17,857 lbs.)
Engine Variants	Deutz, different exhaust stages available
Engine Power	Up to 75 kW (101 h.p.)
Chassis	Articulated steering
Width	approx. 1,900 mm (75 in.)
Height	approx. 2,485 mm (98 in.)



See the
TSL 853
in action





Grader PG 10 HA

THE RIGOROUS ONE



- The Paus PG 10 HA is made for precise and economic gallery maintenance in underground mines.
- With its compact dimensions combined with articulated steering and additional front axle steering the PG 10 HA is the perfect solution for narrow conditions.
- The excellent visibility allows faster finishing of work by saving overall costs not just for the maintenance but for faster travel time.
- The machine comes with a powerful engine setup - also available with the latest exhaust stages - and optional equipment to fulfill the individual requirements of the sites.

HIGHLIGHTS

- High maneuverability in confined spaces
- High tractive force for exact grading results
- Excellent visibility
- Low operating costs thanks to deliberate design
- High precision as a result of easy operation

Grader

TECHNICAL DATA

* depending on selected configuration

KEY DATA*	PG 10 HA
Operating Weight	11.5 t (25,353 lbs.)
Engine Variants	Deutz, Cummins / different exhaust stages available
Engine Power	Up to 127 kW (170 h.p.)
Width	2,350 mm (93 in.)
Height	2,225 mm (88 in.)
Tractive Force	75 kN (7.64 tonf.)



PScale-Series

THE SENSITIVE ONE



- Paus offers the PScale 8-T and PScale 10-T for maximum scaling success.
- The 20° tiltable cabin ensures good visibility of the working area and fatigue-free working. The sensitive and precise control increases efficiency with perfect scaling results.
- Fast and reliable change of working locations in mines is ensured by the hydrostatic drive.
- Substantial safety features compliment the performance of the PScale.

HIGHLIGHTS

- Highest degree of safety for scaling work
- Compact scaler with very high working range
- Robust chassis with articulated steering and hydrostatic all-wheel drive
- Can be operated by „remote“

PScale-Series

TECHNICAL DATA

KEY DATA	PScale 8-T	PScale 10-T
Working height	8 m (26 ft.)	10 m (33 ft.)
Equipment	300 kg (661 lbs.) hydraulic hammer and front push blade	
Engine Variants	CAT, different exhaust stages available	CAT, DEUTZ, different exhaust stages available
Engine Power	Up to 105 kW / 141 hp	
Operating Weight	10 t (22,046 lbs.)	16 t (35,274 lbs.)
Width	1,925 mm (76 in.)	2,400 mm (94 in.)
Height	2,500 mm (98 in.)	2,700 mm (106 in.)



PFL-Series

THE PRODUCTIVE ONE



- The PFL-Series is designed for narrow vein applications in challenging conditions.
- The economic machine concept offers excellent efficiency, productivity, performance, and longevity for a variety of tasks.
- The PFL series achieves the highest breakout forces and fastest bucket-filling times for low production costs per transported ton.
- Side-seated operator 's cabin with front access offers a high level of comfort and safety.
- Enclosed cab optional

HIGHLIGHTS

- High breakout forces – the highest in its class
- High efficiency thanks to high-performance drive line technology
- High productivity due to low costs per metric ton
- Convenient and intuitive control functions
- High availability due to easy and fast maintenance

PFL-Series

TECHNICAL DATA

KEY DATA	PFL 8	PFL 10	PFL 20	PFL 30
Payload	1.5 t (3,307 lbs.)	2.7 t (5,952 lbs.)	4 t (8,818 lbs.)	6 t (13,228 lbs.)
Bucket	0.8 m³ (1 yrd³)	1.3 m³ (2 yrd³)	2.0 m³ (3 yrd³)	3.0 m³ (4 yrd³)
Breakout Force	Up to 40 kN (4,0789 tonf.)	Up to 50 kN (5,0986 tonf.)	Up to 85 kN (8,6676 tonf.)	Up to 110 kN (11,2169 tonf.)
Engine Variants	Deutz, different ex-haust stages available			
Engine Power	69 kW (93 h.p.)	84 kW (113 h.p.)	123 kW (165 h.p.)	150 kW (201 h.p.)
Chassis	Articulated steering, center oscillation			
Width	approx. 1,200 mm (47 in.)	approx. 1,480 mm (58 in.)	approx. 1,600 mm (63 in.)	approx. 2,040 mm (80 in.)
Height	approx. 1,755 mm (69 in.)	approx. 1,900 mm (75 in.)	approx. 1,890 mm (74 in.)	approx. 2,280 mm (90 in.)





PMK-Series

THE EFFICIENT ONE



- Paus Dump Trucks are the ideal solution for comfortable, safe, and economical transport in underground mining and tunneling over long distances with extreme gradients.
 - With the Paus dump Trucks, short cycle times are ensured by the powerful driveline and the excellent maneuverability.
 - The robust and compact design of the Paus dump truck provides high durability and long service life.
- Safety, ease of operation, and maintenance are always key design criteria at Paus and are further complemented with the characteristics required for the highest productivity of the machines.

HIGHLIGHTS

- High productivity – compact dimensions with high payload
- State-of-the-art and high performance engine technologies for efficient ramp operation at uphill gradients of up to 20%
- Rotating driver's seat for long distances of driving backwards at high speeds (bidirectional)
- Easy maintenance
- Short cycle times – thanks to quick loading and discharging times

PMK-Series

TECHNICAL DATA

Further solutions, variants and configurations on request.
* depending on selected variants and configurations

KEY DATA*	PMK 8 000 series		PMK 10 000 series		PMK 12 000 series
Payload	16 t (35,274 lbs.)		22 t (48,502 lbs.)		27 t (59,525 lbs.)
Dump box volume heaped	8 m ³ (10 yrd ³)		11.5 m ³ (15 yrd ³)		14 m ³ (18 yrd ³)
Engine Variants	Deutz, Cummins, Caterpillar, different exhaust stages available		Deutz, Caterpillar, different exhaust stages available		Deutz, Cummins, Caterpillar, different exhaust stages available
Engine Power	Up to 190 kW (255 h.p.)		Up to 227 kW (304 h.p.)		Up to 280 kW (375 h.p.)
Chassis	Articulated steering, with oscillating front axle				
Drive Unit	Hydrodynamic drive, “full power shift”				
	PMKT 8010	PMKM 8030	PMKT 10010	PMKM 10010	PMKM 12000
Width	1,950 mm (77 in.)	2,400 mm (94 in.)	1,950 mm (77 in.)	2,160 mm (85 in.)	2,400 mm (94 in.)
Height	2,400 mm (94 in.)	2,400 mm (94 in.)	2,785 mm (110 in.)	2,450 mm (96 in.)	2,500 mm (98 in.)



KRF 40-Series

THE STRONG ONE



KRF 40

- The Paus KRF 40 has been specially designed for rail-mounted maintenance tasks at the track bed underground.
- Drainages and rails can be easily cleared with the sensitive control and the right tool.

KRF 40.10 Crane

- The Paus KRF 40.10 equipped with a load hook and 10 t lifting capacity is ideal for the fast and safe rerailing of wagons and handling of other heavy goods next to the track.
- The telescopic boom provides the necessary flexibility for heavy lifting tasks at most narrow and rail-guided underground mines.

HIGHLIGHTS

- Suspended running gear
- Heavy-duty mine-proofer design
- Independent due to diesel drive
- Selection of booms and attachments
- Most compact dimensions

KRF 40-Series

TECHNICAL DATA

KEY DATA*	KRF 40	KRF 40.10
Operating Weight	12 t (26,455 lbs.)	20 t (44,092 lbs.)
Engine Variants	Deutz	
Engine Power	55 kW (74 h.p.)	
Chassis	Rigid frame with two spring loaded railroad wheelsets	Rigid frame with three spring loaded railroad wheelsets
Width	1,350 mm (53 in.)	1,430 mm (56 in.)
Height	1,675 mm (66 in.)	1,650 mm (65 in.)
Track gauge	750 - 900 mm (30 - 35 in.)	



Customized solutions

THE SPECIAL ONES

The variety of customer requirements have made PAUS an expert on specialty mobile equipment in the underground mining sector. The know-how of machinery and vehicle construction experts as well as close cooperation with customers worldwide allows the design and implementation of highly complex solutions.

The concepts range from customized configurations of available designs to fully customized configurations, and the development of single solutions for all kinds of applications.

PAUS can give you:

- Over 55 years of experience in machine building
- Quality "Made in Germany"
- Solutions developed and designed for underground
- Global Sales and Service network
- Strong customer focus, innovative strength, flexibility, and reliability are our key assets

PAUS solutions ... as unique as your tasks



Electric solutions

THE SUSTAINABLE AND ECONOMIC ONES

Already starting in the 1980s at PAUS we are offering a range of individual and electrified mine-made solutions along with our machines:

- Dump trucks connected with a trolley line
- Fully cable-bounded variants e.g. for the loaders
- Hybrid configurations with diesel and cable operated units for explosive charging or concrete spraying
- Battery electric solutions with additional cable for the operation of the machine through an external power supply e.g. for scaling
- Battery electric vehicles (BEV) with fully electric drivelines available with our MinCa carriers

PAUS can offer individual solutions that suit the requirements and infrastructures on-site.

Our latest BEV concept considers an ultra-durable and economical design with high-quality modular batteries for more than 10,000 loading cycles to meet the longevity of our carriers. In addition to that, we are following CCS charging interfaces (types 1 and 2) to be used with available standard infrastructure. Besides external charging machines can also be equipped with onboard chargers. In addition, bigger machines can be offered with a swap system for the battery pack.

Making your mine ready for the future!



We Are Where Our Customers Are

Maintenance and service:

Repairs and maintenance work are central points in customer service. Paus offers a comprehensive service program to its customers:

- Service on site or in the factory by our technicians
- Service by our trained, local service partners
- Support for customers with technical inquiries through our service consultants



CUSTOMER SERVICE



SERVICE NETWORK



CONTACT



TRAININGS

Digital Support



Troubleshooting your machine remotely

In the event of a machine failure we offer remote maintenance as if we were on site, via remote access or remote control to the technician's desktop. It doesn't matter which Paus machine it is.

Your advantage: affordable, flexible and fast help.

We use the proven TeamViewer program to establish a remote connection via a secure network and provide assistance in the event of a problem.

Warranties



Warranties

Our machines are built using our many decades of wide-ranging experience and according to the requirements of our client. Together with our quality management system, certified in accordance with ISO 9001, we achieve consistent high product quality. If any problems should nevertheless arise, please contact your local dealer or Paus directly.

Our services at a glance:

- Central warranty processing at the plant
- Optional warranty extension
- Fast repair and processing

HERE YOU CAN REACH OUR SERVICE PAGE:

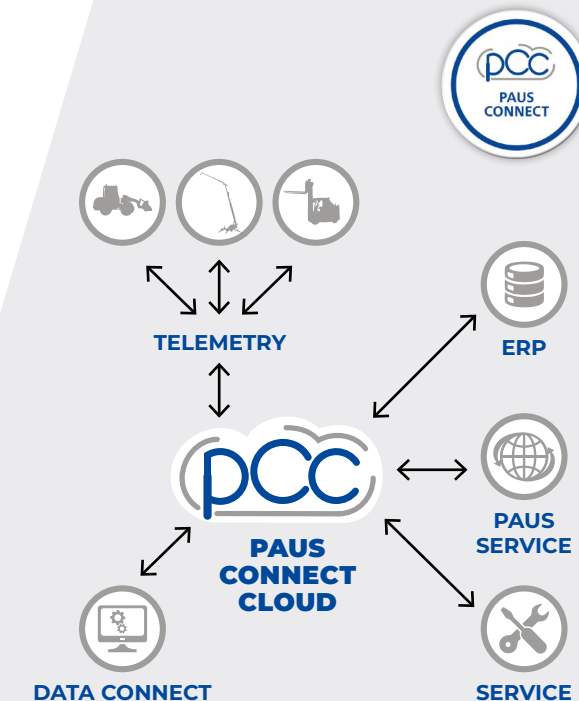
www.paus.de/en/service-spare-parts



PAUS Connect Cloud

The Paus monitoring system

The Paus Connect Cloud is a proven system „Made in Germany“. Keep an eye on your machines at all times: see how your machine is being used, monitor messages and be prepared for possible machine maintenance. The system can be installed on Paus machines and integrated into existing networks.



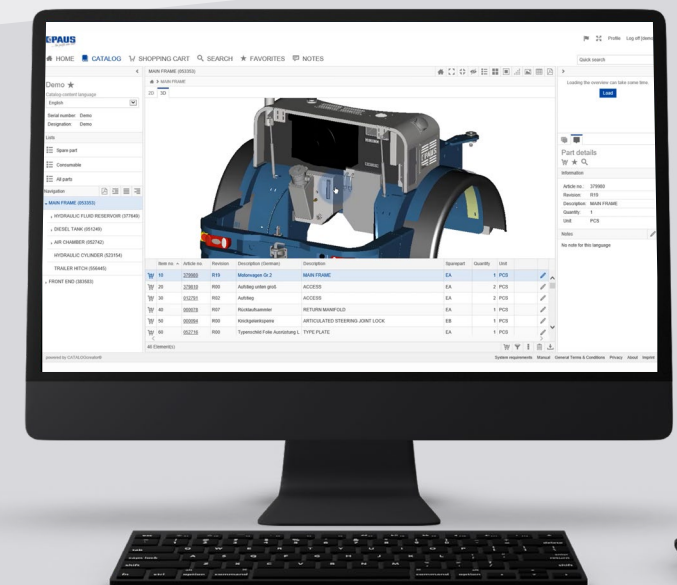
Spare Parts catalog

Online spare parts catalog

We place maximum value on high availability of Paus spare parts. Alongside maintenance and service parts that are available at any time, we offer our customers the option to purchase spare parts for engines, axles, transmissions, etc. through us. Additionally, maintenance and service packages are continually available.

We guarantee this fast and convenient service thanks to a comprehensive concept, consisting of material planning, stockkeeping and logistics.

We are also available to help with special consultation, including on-site at our customers' location if necessary.





We care

We inspire as a preferred, innovative partner with individual solutions for transport and safety of humans and material.

As a specialist for complete and special solutions Paus offers an extensive range of machines for mining and tunneling, lift technology and construction machinery since 1968.

Paus means „Quality Made in Germany“.

Our quality management is certified according to ISO 9001.



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