



VETTER[®]
forks.com

Fork News 2024



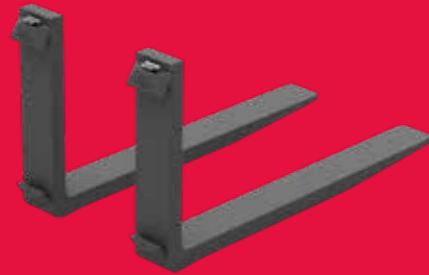
60 YEARS
FORKS
135 years VETTER

It's all about Forks

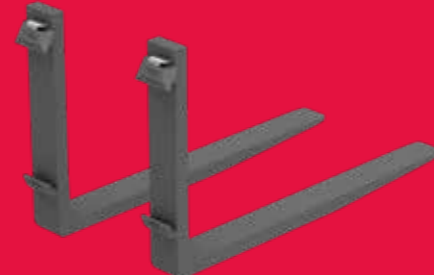
Our passion

Everything around us has been transported on a fork. That's why our great passion is to create the best forks in the world - to make logistics more efficient, safer and more sustainable. We are close to the market and our customers, share our knowledge and take care - personally and individually!

ISO forks



DIN forks



Roller-guided forks



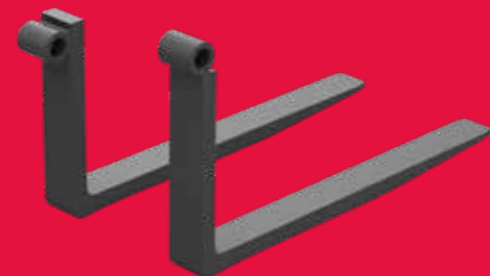
TWS forks



Bolt-on forks



Pin-type forks



Swan-neck forks



Cranked forks



Upside-down forks



The worlds most comprehensive fork program

BIGForks

Power packages for safe handling of heaviest loads



Safe handling of heaviest loads



High efficiency in rough environments



Safety and endurance in toughest use

Product characteristics

- 400 mm max. width, 150 mm max. thickness *
- Blade length up to 5.000 mm *
- Back height up to 2.000 mm *
- Capacity/pair 130 tons *
- **Example of use:** lumber, metal and concrete industry, container ports



* other dimensions on request



SmartFork[®]

More safety, less damages



Extended field of vision



Precise targeting



Damage reduction



Improved load handling

Product characteristics

- **SmartFork[®] FrontCam:** Integrated camera in the fork tip
- **SmartFork[®] SideCam:** Semi-integrated camera installation in the lateral fork blade
- **SmartFork[®] PremiumCam:** Intelligent combination of FrontCam and SideCam
- **SmartFork[®] EasySecure:** Light sensor mounted in the fork blade center
- **SmartFork[®] Laser:** Integrated laser in the fork tip
- **SmartFork[®] Flash:** LEDs integrated on the lateral fork blade
- **Example of use:** logistics and warehousing

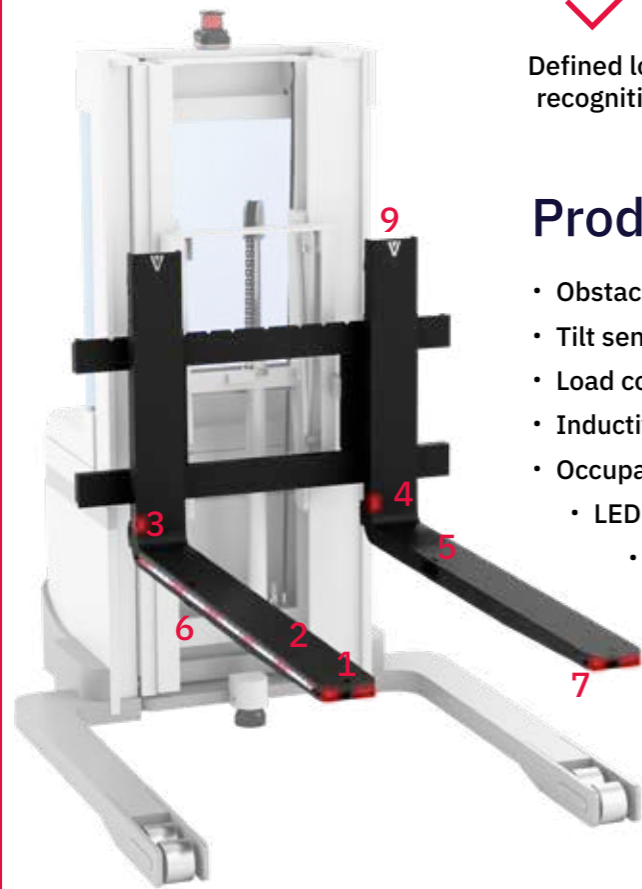
NEW!

- Person identification
- Fork inclination
- Barcode recognition of packages, cargo and load carriers



SmartFork[®] AGV

Making AGVs more versatile



- ✓
Defined load
recognition
- ✓
Safe
loading
- ✓
Individual
solutions

Product characteristics

- Obstacle Detection (1)
- Tilt sensor (2)
- Load control (3)
- Inductive load stop sensor (4)
- Occupancy sensor with entry depth measurement (5)
 - LED elements (6)
 - Distance sensor (7)
 - Pallet break sensor (8)
- Standardized or individual interface (9)
- **Example of use:** logistics and warehousing



CROC[®] ForkCoatings

Best grip for sure!



- ✓
Slip resistance
of goods
- ✓
Less damage to the
transported goods
- ✓
Noise
reduction
- ✓
Increase
visibility of fork

Product characteristics

- Equipped with collision protection at the fork tip
- High-tech special adhesive for permanent coating
- High abrasion and cut resistance
- Resistance to oils, acids, chemicals and solvents
- Temperature and weather resistant
- **Example of use:** transport of sensitive goods, warehousing



ManuTel[®]

Manual Telescopic Fork



Truck loading and unloading lateral



Loading of 2 or 3 pallets at once



Time and cost savings

Product characteristics

- Legal conformity according to EC machinery directive
- Easy application without tools or hydraulics
- Robust design, also for all-terrain use
- **Example of use:** Forwarders, warehouses, DIY superstores, transport of furniture, panels or paper



ManuTel[®] G2 standard edition

- Wear-resistant straight manganese steel plate on the lower side of the fork shoe
- standard capacity up to 5 tons at a 600 mm load centre, other capacities on request

ManuTel[®] G2 SlimLine edition

- Extra-thin blade: only 40 mm thick
- Quick-release pin-locking device for easy length adjustment
- Capacity up to 2 tons

BELUGA fork tip

Reduce damage to the load



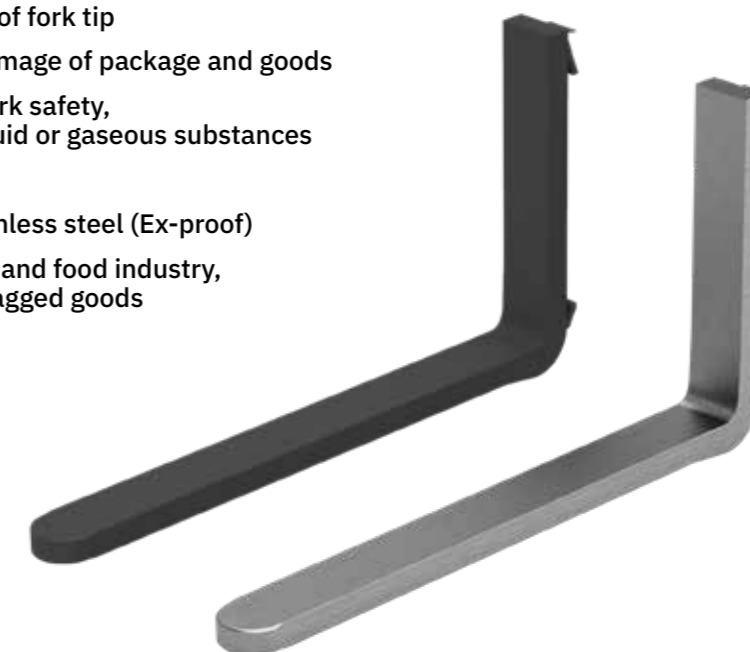
Minimal risk of pricking the cargo



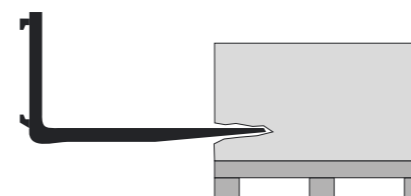
Reduces damage on contact with the load

Product characteristics

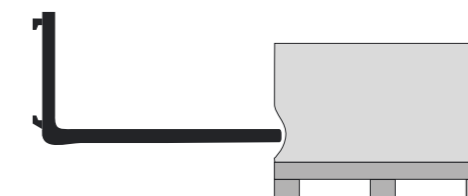
- Increased impact surface of fork tip
- Rounded edges reduce damage of package and goods
- Significantly increased work safety, e.g. when transporting liquid or gaseous substances
- Simple pushing of pallets
- Also available in solid stainless steel (Ex-proof)
- **Example of use:** Chemical and food industry, transport of barrels and bagged goods



Standard fork tip



BELUGA fork tip



FoldingForks

Forks up - and a safe drive on!



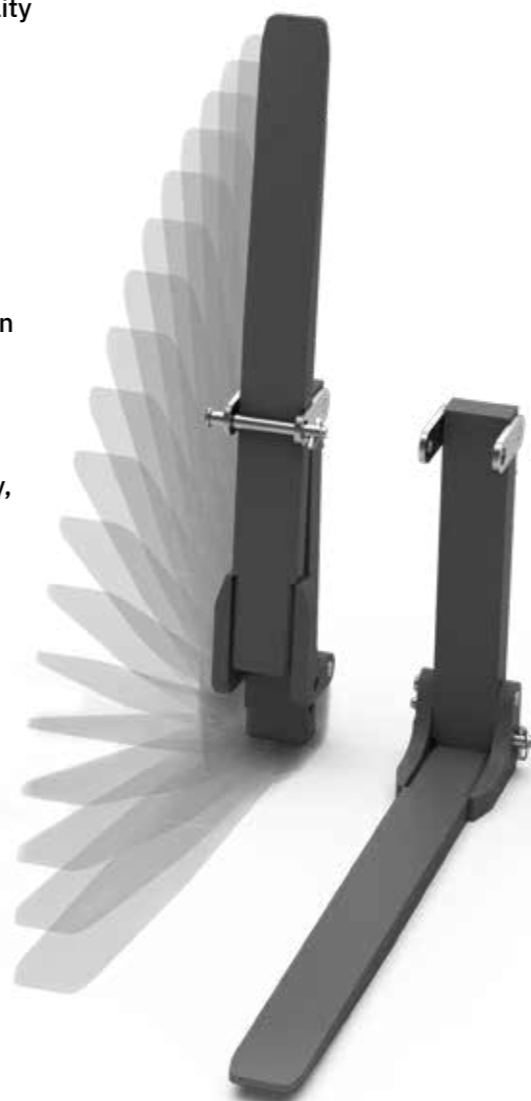
✓
 Reduced space
 requirement of own vehicle

✓
 Increased manoeuvrability
 in narrow spaces

Product characteristics

- Fold-up fork blade
- Compliance with all ISO 2330-requirements
- „Co-rotating“ pin suspension to avoid contact corrosion
- Tempered pin made of special material
- Optimized connection plates for less strain by the use of finite elements analysis
- **Example of use:** Agricultural and construction industry, Outdoor use, road traffic

ISO
2330
compliant



StainlessSteelForks

High safety in ex-proof and hygiene areas



✓
 ATEX approval

✓
 Explosion-proof also
 guaranteed after the wear limit
 is achieved

✓
 Resistance against dirt, bacteria
 and environmental influences

Product characteristics

- 100 % high-tech stainless steel (including fork hooks)
- Smooth and polished surface
- Up to 6 times longer than cladded forks
- Smaller cross-sections compared to fork claddings
- ATEX approval
- Easy UVV examination
- Corrosion-resistance
- **Example of use:** Ex-proof and hygiene areas, chemical industry, clean room areas, food industry



NEW

Now also available with ATEX approved
 anti-slip and anti-noise coating!



DuplEx claddings

Fork coating with wear indicator



ATEX approval



Visual wear indicator



Time and cost saving



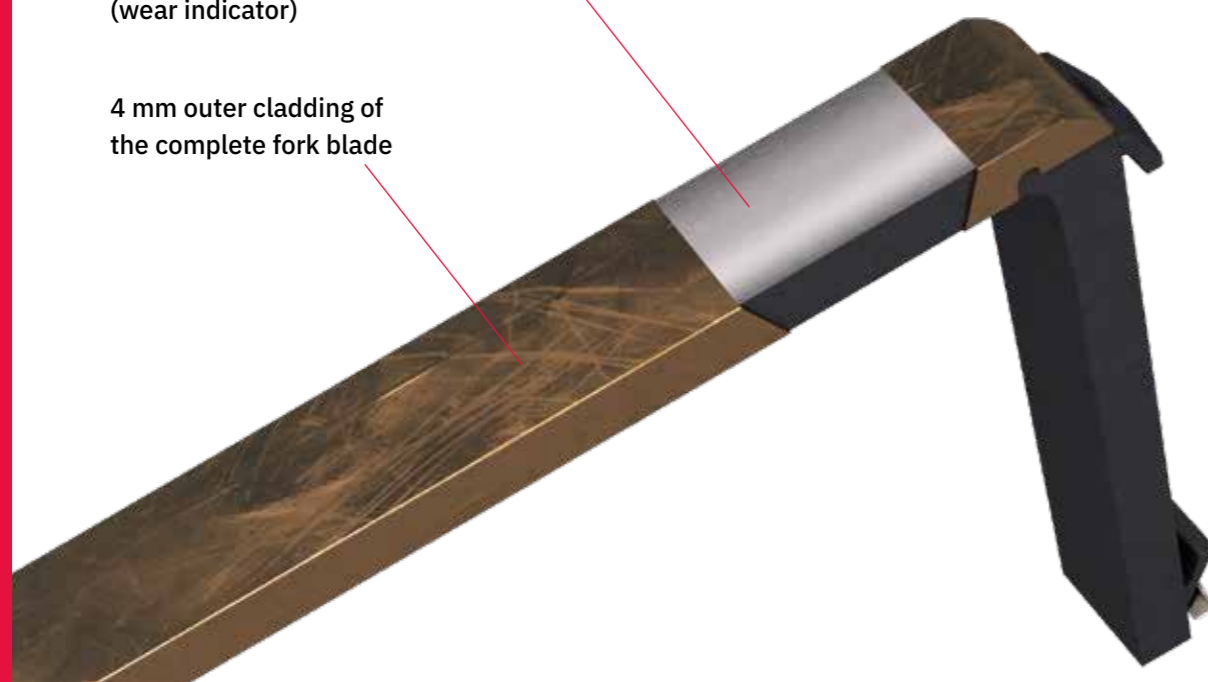
Product characteristics

- Wear limit is achieved as soon as the differently coloured wear indicator is visible
- Outer cladding made of brass (2.0321) and inner stainless steel cladding (1.4301)
- Surface-options: blade surface glass bead blasted or polished
- ATEX approval
- **Example of use:** Ex-proof, chemical industry



1 mm inner cladding at the underside of fork
(wear indicator)

4 mm outer cladding of
the complete fork blade



ForkExtensions

Extension of fork for individual applications



Occasionally transporting loads that are longer than the available forks

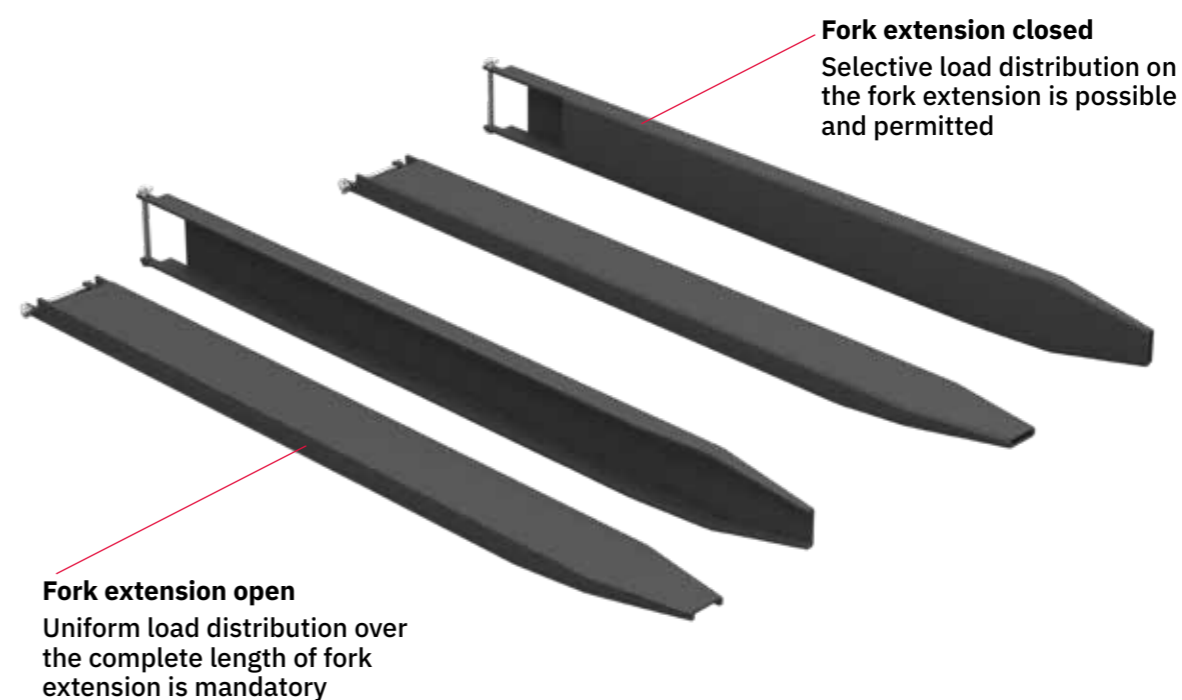


Easy and stable assembly



Product characteristics

- Collision-free mounting on attachments (no interfering edges)
- High-quality industrial design (welded box profiles instead of simple bent profiles)
- Precise adaptation to the existing fork cross-section for tightest overall dimensions
- Fast assembly by locking bolt
- Safe load pick-up by tapered and chamfered extension tip
- **Example of use:** Forwarder, warehouses, rental parks



Ideal for resale

- **Your all-round package**
Directly resaleable including packaging, operating instructions, CE marking
- **Additional sales support**
Demo set for your showroom, Training with your sales team, VETTER RoadShow
- **For your product range**
Provision of product information, image material and animations

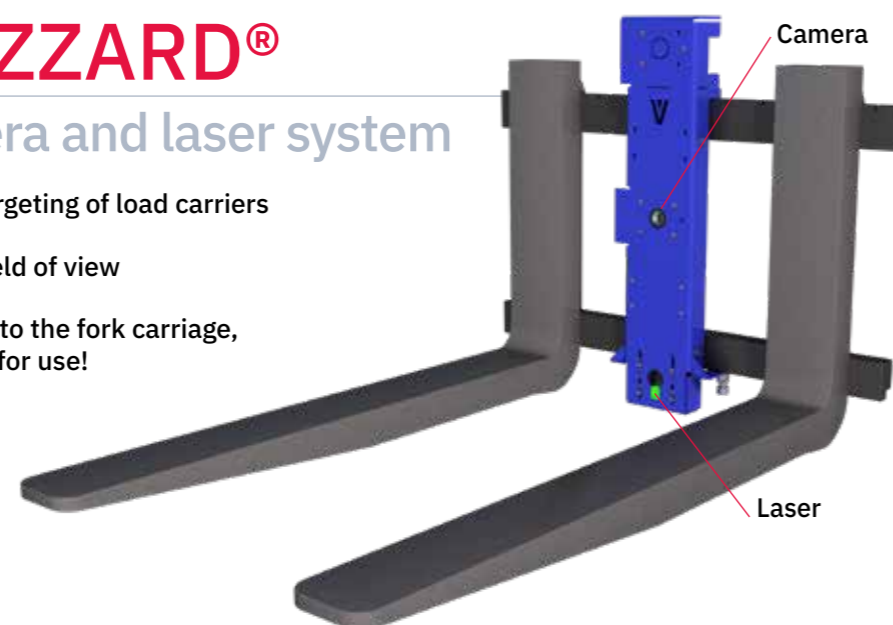
CleverHelpers

Retrofit solutions for a safe industrial truck

NEW! LIZZARD[®]

Retrofit camera and laser system

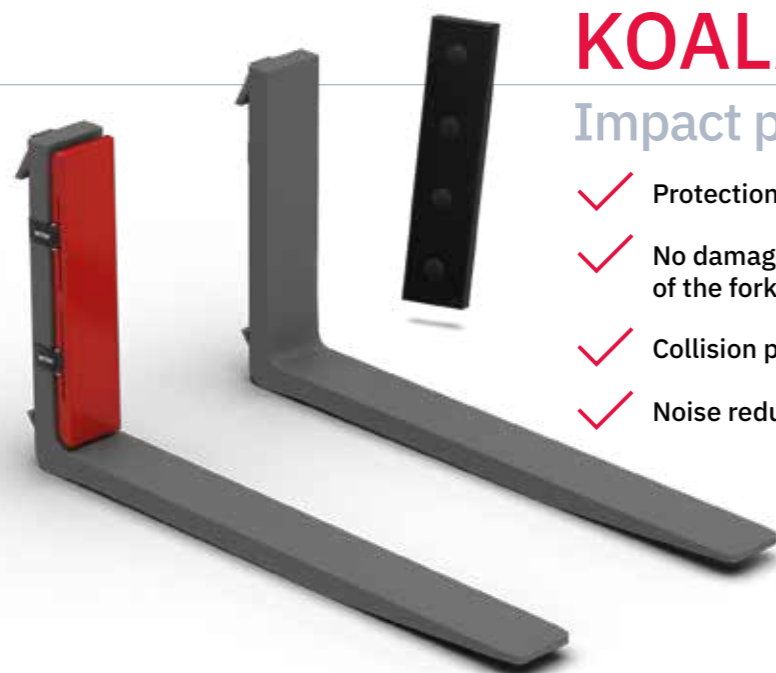
- ✓ Precise and safe targeting of load carriers
- ✓ Expansion of the field of view
- ✓ Simply mounted onto the fork carriage, immediately ready for use!



KOALA

Impact protector

- ✓ Protection of sensitive surfaces
- ✓ No damage due to the inner heel radius of the fork
- ✓ Collision protection in the fork back
- ✓ Noise reduction



GEKKO

Magnetic anti-slip layer

- ✓ Reduces slipping of loads
- ✓ Protection of sensitive surfaces
- ✓ Noise reduction



ZEBRA

Warning bar

- ✓ Improved visibility for traffic participants
- ✓ Accident prevention



Welcome to VETTER RoadShow



Experience our clever solutions for intralogistics directly on your site



Product training and application advice



Perfect integration into your sales training and in-house exhibitions



Live-Tests in real conditions



Intensive knowledge for resale and improved customer advice



High customer added value using the industrial truck: more safety, higher efficiency, better ergonomics



Experience our clever solutions for intralogistics directly on site. Whether for integration into your sales training, in-house exhibitions, or your customer events – test our products for various applications!

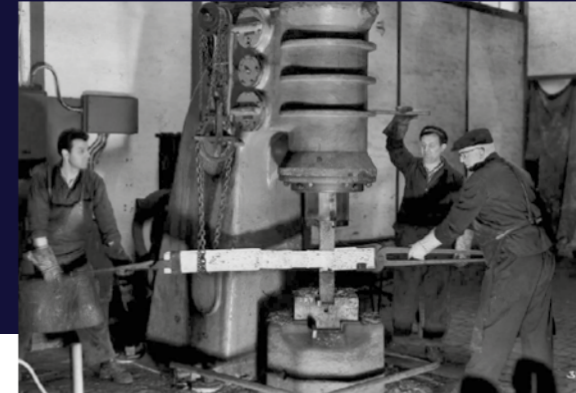
Assistance systems SmartFork®, CROC® fork coatings, CleverHelpers retrofit solutions, ATEX-certified products for use in explosion protection and hygiene areas - VETTER offers you a wide range of products for more safety and efficiency in logistics.

Take the chance!

Reach out to your VETTER contact person or send us an inquiry to roadshow@gabelzinken.de



About VETTER



Our commitment

✓
Customer first!

✓
We are focused on forks like no one else

✓
We are striving to be the first fork manufacturer becoming climate neutral

✓
We stand for reliability, punctuality and absolute quality - this is our delivery promise

✓
With SmartFork® and CleverHelpers we are the pioneers for products that raise efficiency, safety, sustainability and ergonomics in logistics to a new level

60 YEARS
FORKS
135 years VETTER



2024 is a special year, VETTER is celebrating two anniversaries.

Starting in 1889 with products for the mining industry, VETTER has set milestones in fork production over decades. The first forks were produced in 1964. Today, with a team of around 550 employees and 7 subsidiaries, VETTER is the world's leading manufacturer of forks for the industrial truck and construction machinery industry. VETTER has developed into a pioneer for smart and intelligent fork solutions that make everyday work of forklift drivers easier and, above all, safer.

QualityForks made by VETTER

Forks! In all sizes, shapes and designs.

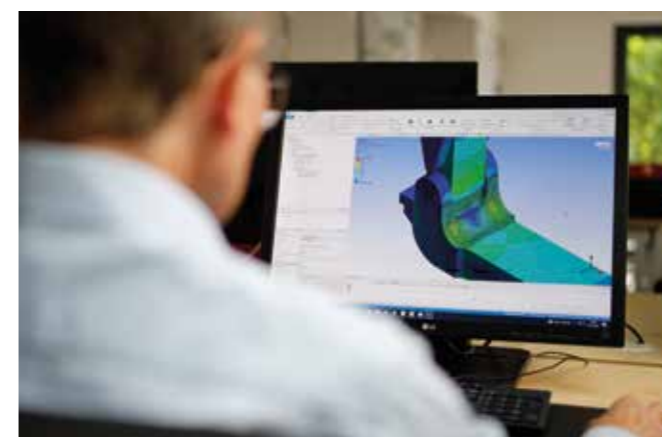
VETTER manufactures customised forks for almost all applications. From standard solutions to customer-specific individual designs. Whether in the food and furniture industry, in DIY stores, for transporting hazardous goods, in the logistics sector, in the lumber industry or for heavy loads in harbour logistics and quarries, VETTER forks are used everywhere. The industrial truck and construction machinery industries rely on VETTER.

Logistics is future - and we provide the tool for it!

VETTER solutions fulfil the highest standards of manufacturing quality, reliability and durability. Quality made in Germany.

Fork steel

Only high-quality steel ensures that the fork withstands the highest loads. VETTER has been developing steel qualities for decades. Toughness, purity, hardness and processability are optimally coordinated. No compromises! But it's not just the quality of the steel that's crucial. It's the whole package: reliable steel suppliers, precise workmanship, many years of experience and sophisticated heat treatment.



VETTER Quality features

- ✓ Triple service life: OptimaForkHeel
- ✓ High dimensional stability
- ✓ Welding quality certified according to ISO 3834-2
- ✓ FlexHeat heat treatment for optimal material properties
- ✓ Inhouse product tests
- ✓ Finite element analysis
- ✓ Secure fork hooks and locking devices
- ✓ Quality steel



- High resistance against abrasion
- High dynamic and static load capacity
- Controlled degree of purity
- Operating temperature -30°C to +100°C

Up to 12 % higher yield strength compared to standard fork steel



- High wear resistance
- Higher load capacity with the same cross-section
- HeavyDuty applications
- Operating temperature -40°C to +120°C

Up to 50 % higher yield strength compared to standard fork steel



- Stainless steel for ATEX and hygiene areas
- 100% Ex-proof
- Easy cleaning
- Resistant to corrosion
- Operating temperature -80°C to +150°C
- Mechanical processing on back and blade possible





- ✓ Heat Recovery
- ✓ LED hall lighting
- ✓ Building insulation
- ✓ FlexHeat treatment
- ✓ AI-driven and resource-saving processes
- ✓ Improved, resource-saving materials
- ✓ All inhouse transport equipment electrified and car fleet in transition to electric
- ✓ Replacement of gas driven processes by electrified processes
- ✓ High added value inhouse avoids transport of components and give us control on emissions
- ✓ Motor programme: replacing power units with energy-efficient motors
- ✓ Water-based colours
- ✓ Increasing the proportion of self-generated electricity
- ✓ 65% of today's electricity mix is already generated from renewable sources



Sustainability and climate protection

Sustainability - yes! We have been doing this out of conviction for many decades, and not because it's trendy. Because we feel committed to past and future generations. Our motivation is to combine the necessary with the useful in order to manufacture the best products with efficient sustainability. We produce with a high level of vertical integration in Germany and ensure a secure supply chain.

Striving for the GreenFork!



- ✓ 100% electrical steel
- ✓ Circular-economy: Production scrap returned to steel mill
- ✓ High degree of insourcing gives us control over emissions
- ✓ Purchasing in Europe (>95%)
- ✓ 65% of steel supply is transported via railway
- ✓ Zero usage of plastic packaging
- ✓ Usage of multi-use pallets (Euro-Pallets) or return-packaging (selected customers)

Review 2023



The family business continues into the future! The next generation is ready to go and Maximilian Vetter has been part of the VETTER team since March 1, 2023.



Blood donor mobile on site: VETTER employees had the opportunity to donate blood directly at the VETTER site twice last year.

Sponsorship contract repeatedly extended: VETTER supports the regional handball 3rd division team TuS Ferndorf.



Management and production management are proud of the qualitative product diversity at VETTER.



Whether conversion or site expansion, construction work never stops at VETTER, it's always going on. A lot has happened at our location in Burbach in the last year.



Commitment to the VETTER trainees: In June, numerous students and their parents visited the first VETTER Career Day. In addition to a workshop for career orientation and a factory tour, former VETTER trainees reported in interviews about their training and career at VETTER.



During a factory tour, future world movers get exciting insights into the world of forks. A visit from a primary school class at the Burbach facilities.

Sales and product training, factory tours and training courses — our partners are always welcome and we are happy to provide support.



Events 2024

See you soon!



MODEX
11 to 14 March
Atlanta



Logistics & Automation
15 to 16 May
Dortmund



LogiMAT
19 to 21 March
Stuttgart



Préventica
18 to 20 June
Strasbourg

TEST CAMP

INTRALOGISTICS

Test Camp Intralogistics
10 to 11 April
Dortmund



Logistics & Automation
27 to 28 November
Madrid

VETTER Industrie GmbH
Carl-Benz-Strasse 45
57299 Burbach / Germany

02736 4961-0
info@forks.com

www.forks.com