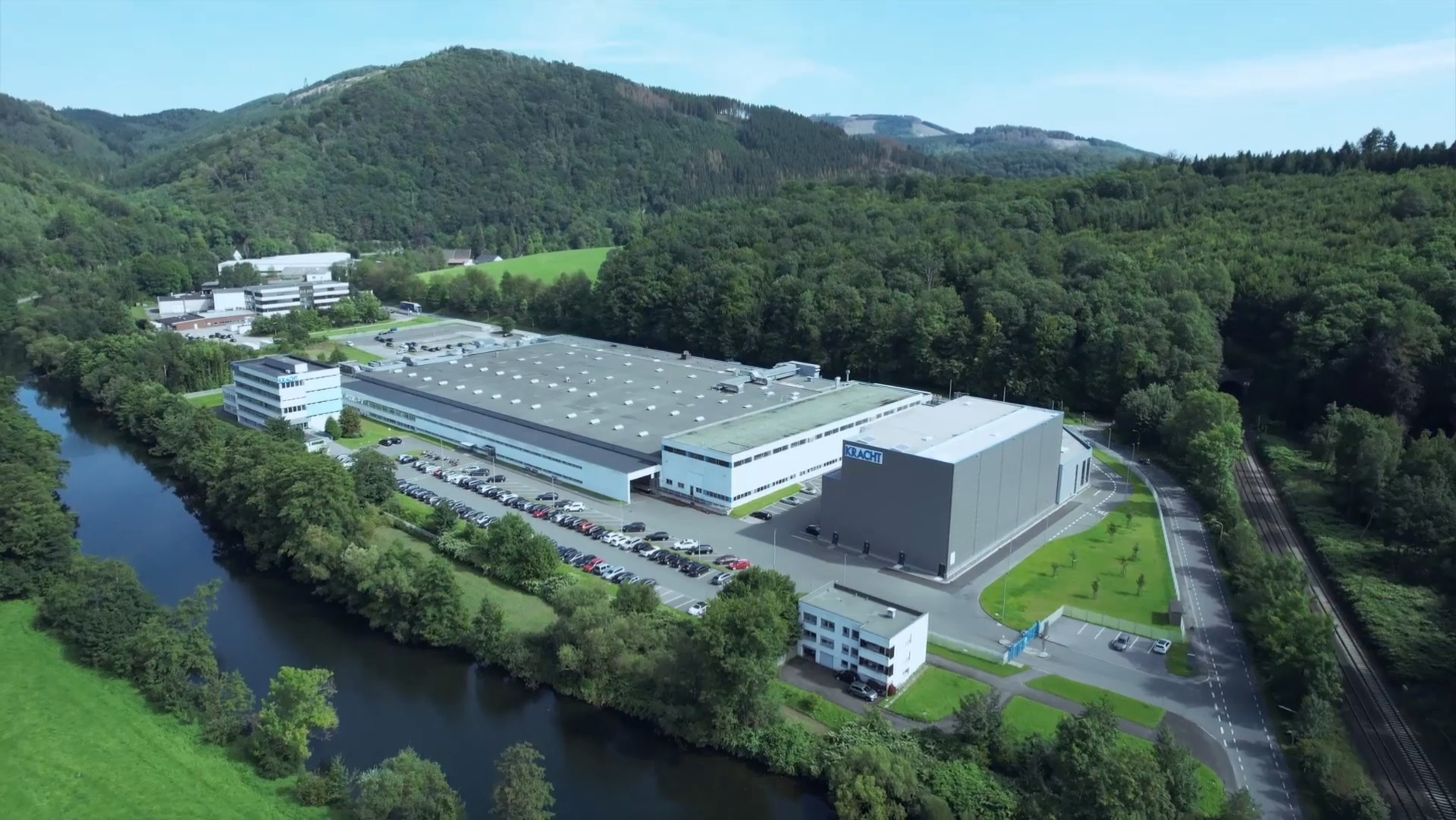


**KRACHT**®  
FLUID TECHNOLOGY AND SYSTEMS

# Overview



- Company
- Products
- Industries / Applications





# We are KRACHT

Heiko Zahn – Managing Partner

We – the family owned company KRACHT – are a leading technology provider for pumps, fluid measurement, valves, hydraulic drives and customized system solutions. Around 450 employees worldwide design, develop, produce and distribute standard products as well as special solutions at the customer's request. With our facilities in Europe, China and USA we ensure high quality standards, durability and reliability as much as fairness toward our customers, suppliers and employees.

# Facts

Turnover · Employees



Turnover 2022

65.2 m. Euro

Employees (worldwide)

450

# Facts

China



Market entry

1990

KRACHT GmbH – Shanghai  
Representative Office

2009

KRACHT Fluid Technology  
(Shanghai) Co., Ltd.

2020

# Facts

Hungary



Purchase of a gear  
manufacturer, now  
KRACHT Hidraulik Kft.

1992

Certification according  
to DIN EN ISO 9002

2009

# Facts

USA



Market entry

1990

KRACHT CORP – founding  
in New York

2009

KRACHT CORP. – construction  
of the company building in  
Maumee, Ohio

2017

# History – since 1911

Founded under the name „Hillebrand & Kracht OHG“

Quality management system  
DIN EN ISO 9001

Environmental quality management system  
DIN EN ISO 14001

Authorised economic operator according to AEO F

KRACHT Fluid Technology (Shanghai) Co., Ltd.

Extension of the logistics centre

1911

1992

1995

1996

2000

2009

2015

2017

20/21

21/22

KRACHT Hidraulik KFT, Hungary

Management by the Zahn family

KRACHT CORP., USA and KRACHT GmbH Shanghai Representative Office, China

New building: logistics centre

New building: system technology hall

# Our locations

Subsidiaries / Distributors



**Headquarter:**

**KRACHT GmbH**

Werdohl - Germany

**KRACHT Hidraulik  
KFT.**

Budapest - Hungary

**KRACHT Fluid Technology  
(Shanghai) Co., Ltd.**

Shanghai - China

**KRACHT CORP.**

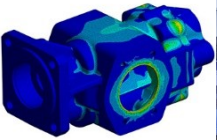
Maumee - Ohio - USA

**Distributors**

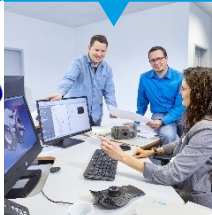
# Corporate structure

Managing Partner Mr Heiko Zahn

Design  
and  
develop-  
ment



Production  
planning



Materials  
manage-  
ment



Production



QM



Sales



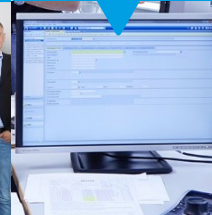
Marketing



HRM



Controlling



# Sales structure



## Worldwide technical industry expertise

Marine



Renewable  
energy



Process  
technology



Hydraulics



Fuels



# Strategic business areas

Displacement  
> 0.5 ... 3 150 cm<sup>3</sup>/rev

Maximum pressure  
> ... 315 bar

Speed  
> ... 4 000 1/min

Viscosity  
> 1.2 ... 50 000 mm<sup>2</sup>/s

Fluid temperature  
> -50 ... 220 °C

Flow range  
> 0.03 ml/min ... 65 000 l/min

Maximum pressure  
> ... 480 bar

Fluid temperature  
> -60 ... 210 °C

Volume flow  
> ... 5 000 l/min

Maximum pressure  
> ... 400 bar

Viscosity  
> 1.2 ... 1 500 mm<sup>2</sup>/s

Fluid temperature  
> -30 ... 350 °C

Displacement  
> 1.5 ... 300 cm<sup>3</sup>/U

Maximum pressure  
> ... 315 bar

Speed  
> ... 4 000 1/min

Viscosity  
> 10 ... 1000 mm<sup>2</sup>/s

Fluid temperature  
> -20 ... 150 °C

Oil supply systems

Dosing and filling systems

Hydraulic systems

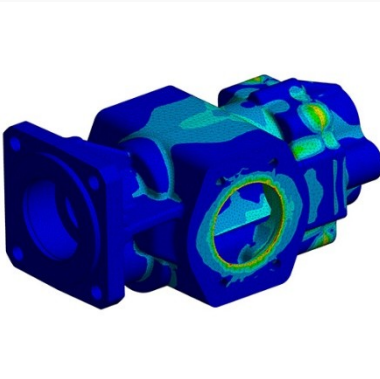
Test bench construction

Mounting plate units



# Production workflow

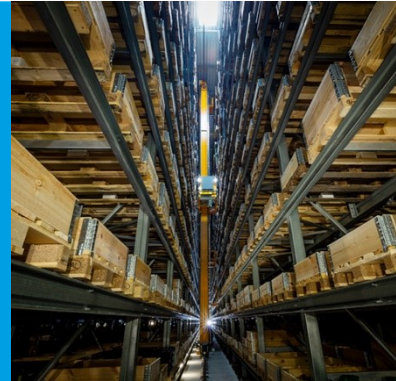
Engineering · Production · Assembling · QM · Logistics



Production



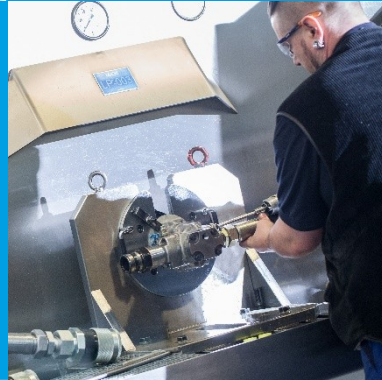
QM



Engineering



Assembling



Logistics

# Markets / Applications

Marine · Renewable energy · Process technology · Hydraulics · Fuels



- Product solutions for
- Blade manufacturing
  - Coating and painting systems
  - Filtrations and cooling systems
  - Gearboxes



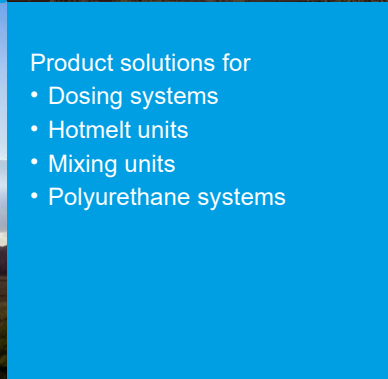
- Product solutions for
- Agriculture machinery
  - Construction machinery
  - Mobile and stationary plants
  - Test benches



- Product solutions for
- Clutches
  - Compressors
  - Engines and gearboxes
  - Propellers and thrusters
  - Valve remote control systems



- Product solutions for
- Dosing systems
  - Hotmelt units
  - Mixing units
  - Polyurethane systems



- Product solutions for
- Booster systems
  - Burners
  - Fuel handling systems
  - Separator units



# Marine

Pumps, flow meters, valves and drives for marine applications

## Compressors

- Pumps and motor pump units for compressor lubrication with inlet pressure up to 60 bar

## Clutches

- Pumps, valves and hydraulic manifolds for clutch lubrication and operation

## Engines and gearboxes

- Main and pre lubrication pumps, hydraulic manifolds, pressure relief valves
- Transfer fuel pumps
- Flow meters for lubrication oil and fuel-consumption measurement

## Propellers and thrusters

- Low pressure gear pumps for lubrication
- High pressure gear pumps for controllable pitch propeller operation (CPP)

## Valve remote control systems

- Valve position indicator VOLUMEC
- Valve position measuring instrument VOLUTRONIC®



# Renewable Energy

Pumps, flow meters and valves for renewable energy applications

## Battery test benches

- Pumps and flow meters for cooling on battery test benches
- Flow meters for clue measuring on battery housing production

## Filtration and cooling systems

- Low pressure gear pumps and motor pump units for filtration and cooling systems

## Wind mill gearboxes

- Mechanical driven gear pumps with universal valve for lubrication

## Blade manufacturing

- Pumps and flow meters for adhesive dosing machines and dispensing technology
- Pumps and flow meters for fibre component machines



# Process technology

Pumps, flow meters and valves for process technology applications

## Dosing systems

- Motor pump units, flow meters and electronics for high accuracy metering for automotive gearbox assembly lines

## Hotmelt units

- Flow meters for hotmelt units in packaging machines

## Mixing units

- Pumps, motor pump units and pressure relief valves for mixing units

## PU technology

- Dosing pumps, flow meters and electronics for metering and insulation machines, slabstock & sandwich panel lines as well RTM lines



# Hydraulics

Pumps, flow meters, valves and drives for hydraulic applications

## Agriculture and construction machinery

- Low pressure pumps for gearbox lubrication, filtration and cooling units
- High pressure pumps for hydraulic systems
- Gear motors with integrated temperature regulating valve for fan drives

## Mobile and stationary plants

- High pressure pumps for hydraulic systems
- Pressure relief and regulating valves as well as solenoid valves for hydraulic systems
- Flow meters for cylinder stroke measurement in tooling machines



# Fuels

## Pumps, flow meters and valves for fuel applications

### Booster systems

- Low pressure fuel pumps as feeder or booster pumps
- Pressure relief valves for pressure adjustment and limiting
- Flow meters for consumption measurement

### Fuel handling systems

- Low pressure fuel pumps and relief valves for marine diesel oil (MDO), heavy fuel oil (HFO) and marine gas oil (MGO)
- Flow meters for flow and consumption measurement

### Separator units

- Pumps and valves for heavy fuel, diesel fuel and marine gas oil



# Fair · Reliable · Competent



Latest production  
processes



Quality



On-site consulting  
by our product  
experts



Comprehensive  
documentation

**KRACHT**®  
FLUID TECHNOLOGY AND SYSTEMS