Solution Partners

COMPANY PROFILE

OMFB Hydraulic Components

OMFB Hydraulic Components spa was founded in **1950** as a company for the production of PTOs (spare parts and power take-offs for trucks), hand pumps, and hydraulic components for operating hydraulic equipment on industrial vehicles, mainly tippers and cranes.
Tireless in innovating its products, in the 60s it introduced the mini DC and AC power unit to the production range.

The continuous focus on the innovation and quality of the products had been awarded to OMFB in **1992** as **the first Italian Company** of the sector to get the ISO 9001 Certification.

OMFB took an important evolutionary step toward the end of the 90s with the start of production, in addition to the already present gear pump, of bent axis piston pumps **'BENT Axis HD'** and with the introduction, at the beginning of the **2000s**, of the first electronic products.

In **2012** the quality system of OMFB had been certified with DNV ISO/TS 16949:2009.

DNV

MANAGEMENT SYSTEM CERTIFICATE

O.M.F.B. S.p.A. - HYDRAULIC COMPONENTS -
Sede legale e sito Operativo

DNV

MANAGEMENT SYSTEM CERTIFICATE

O.M.F.B. SPA - HYDRAULIC COMPONENTS

During the last decade OMFB worked on a strong structural growth becoming an important player of the Market and competing with the Worldwide leaders of the Market segment.

In **2015** the Company **DAL BARCO**, leader in the tank for oil and diesel production, had been acquired and become part of the OMFB Group.

In **2017** with the target to complete the electro-hydraulic products lines OMFB found the Company **VBR**, specialized in electro-hydraulic proportional valves and directional valves.

The **2020** is the year of the introduction on the Market of the new lines PDV (directional proportional valves).
The opening of two new production plant (**Gere1,Gere2**), allow to concentrate the electronic production, R&D, Sales & Marketing, and the new Position Sensors line.

Today OMFB is a Global player, with the capability to supply to the Mobile Market mechanical parts, electro-pneumatic / hydraulics components and electronics sensors, managing and controlling the functionality of the whole machine.

OMFB at Glance

- over 450 Employees
- Production plant (5 sites)
- 6 international branches
- 45 product lines
- Export 80%

PTO – power take off's hydraulic components

OMFB offer a wide range of hydraulic components and PTO power take off with mechanical, electric, pneumatic, depression and friction coupling for the most important International Brand of industrial vehicles on the Market.

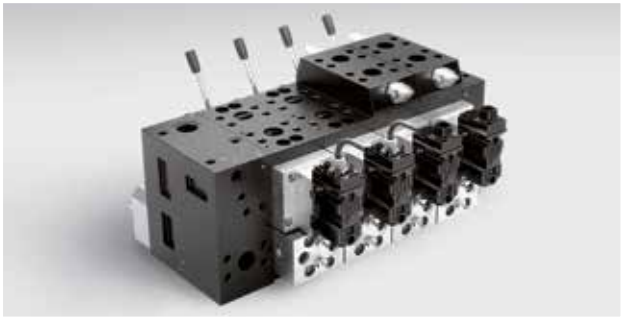
Main products

- HYDRAULIC GEARS PUMPS
- CONSTANT DISPLACEMENT PISTONS PUMPS
- VARIABLE DISPLACEMENT PISTONS PUMPS
- BENT AXIS PISTON MOTORS "HPM"
- HYDRAULIC VALVES
- ON/OFF AND PROPORTIONAL PNUEMATIC DIVERTERS
- HAND HYDRAULIC PUMPS WITH/WITHOUT TANK
- HYDRAULIC POWER UNIT
- ALUMINUM / STEEL TANK FOR INSTALLATION IN ANY POSITION
- WET KITS FOR HEAVY DUTY TRUCKS

Application field

- TIPPERS
- ARCHES AND ROLL-OFFS
- AERIAL PLATFORMS
- RESCUE TRUCKS
- TANKS
- COMPACTORS
- CAR MARKET
- SNOW PLOUGHS
- INDUSTRIAL APPLICATIONS

Proportional control valves
Series: PDV 74 - PDV 114 - PDV 315



The **PDV** technology platform is the most advanced configuration system for proportional directional valves.
Take machine control to the highest level of performance, reliability, and safety.

Based on LOAD SENSING technology, they are products with advanced hydraulic features that meet the increasingly high market demand, for machines with better productivity, safety, energy efficiency, and respect for the environment.

They provide a wide choice of control options and are also designed for use in hazardous areas, according to Atex 2014/34/EU and IECEx regulations.

- **HYDRAULIC VALVES**
- **DIRECTIONAL CONTROL VALVES**
- **HYDRAULIC INTEGRATED CIRCUITS**
- **CARTRIDGE VALVES**

Transducers
Position sensors

Transducers and Sensors - Serie 7

Based on the latest modern technologies, the sensors transducers of the 7 series are detecting–measuring the physical parameters of the position of the different parts of the machines/equipment.
Through the control system the position signal achieves an accurate management of the performances of the machines/equipment, in terms of operating efficiency and safety level.
They provide the most common electrical signal interfaces and they are designed following the international standards for agriculture, construction, forestry and mobile machines.

- ***7M* SERIES**

Linear position transducers based on the non-contact magneto strictive technology. They are assembled into a high pressure resistant housing and designed for the typical installation into hydraulic cylinders.
Available with electrical stroke up to 4.000 mm. with absolute analogue and digital output.

- ***7A - 7T* SERIES**

Transmitters and tilt switches for horizontal planarity (X/Y) or vertical angle (Z) control. Based on MEMS technology, with accelerometric or triaxial gyroscopic sensors, they are used to control the planarity of machines.
Programmable measuring range.

- ***7D* SERIES**

Draw wire transducers for linear displacement detection. They are designed using Hall effect electronic and available with the most common output; measuring ranges up to 5.500 mm.

- ***7R* SERIES**

Rotary sensors for the detection of angular movements. Using Hall effect, they are available with 0-360° à range, configurable, high resolution; digital and analogue output.

- ***7P* SERIES**

Pressure transmitter for industrial applications and mobile hydraulics, with sensing element directly deposited on the stainless steel diaphragm, measuring ranges up to 1000 bar, SIL2/PLd certified.

7M

7A - 7T

7D

7R

7P

Tanks for oil and diesel
Special tanks

OMFB tanks - Rovereto plant (TN - Italy)

In 2015, **OMFB** acquired the company DAL BARCO, a historic manufacturer of oil and diesel tanks for industrial vehicles, which was then incorporated into OMFB at the beginning of 2022.

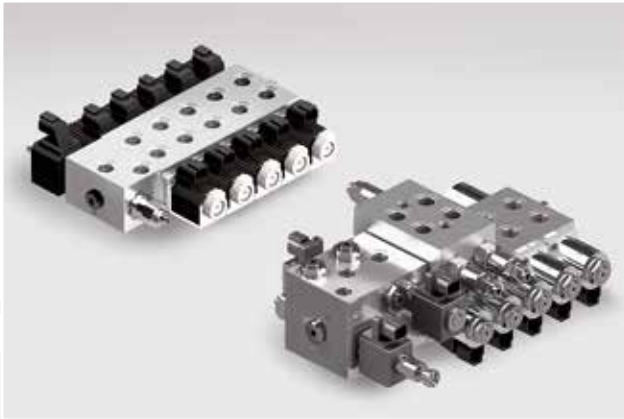
The company is specialized in designing and manufacturing tanks, utilizing coated steel, stainless steel and aluminum alloy.

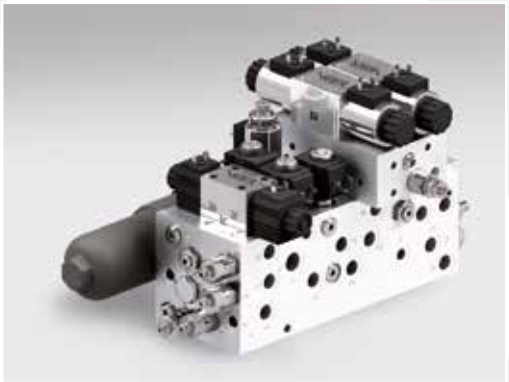
They are suitable for any commercial, mobile and industrial vehicles and they are actually equipping the most important EU brands.

OMFB strength is the focus on the International Standards, on the Certified Quality and their modularity allows a high level of customization satisfying any customer wish.

- **HYDRAULIC OIL TANKS**
  FROM 23 TO 250 LITERS
- **FUEL TANKS**
  FROM 52 TO 1.000 LITERS
- **COMBINED TANKS**
- **CUSTOM TANKS**

Control valves
Hydraulics integrated circuits





VBR HYDRAULICS

VBR SRL is a company created in 2017 in Reggio Emilia by a group of people with over 25 years of experience in the hydraulic valves sector.

The **VBR** offer a wide range of hydraulic systems and a complete solution to the customer, with a special focus to the customer needs, from the design to the validation of the products.

The high quality of the products design is oriented to the final application and to the complete solution for the customers.

Special attention to the reduction of the overall dimensions, weight, number of components, hydraulic and electrical connections as to minimize the risk of failures and increasing the quality level on the of the complete system.

- **DIRECTIONAL VALVES CONTROL**
- **HIC VALVES**
- **CARTRIDGE VALVES**

Group Sinergy

Member of OMFB group:

VBR Srl

Via Masaccio, 17
42124 Reggio Emilia - ITALY
Tel.: (+39) 0522 1722340

e-mail: info@vbrhydraulics.com
www.vbrhydraulics.com

Headquarters:

O.M.F.B. S.p.A. Hydraulic Components

Via Cave, 7/9 - 25050 Provaglio d'Iseo (BS) - ITALY
Tel.: (+39) 030 9830611

e-mail: contatti@omfb.it
www.omfb.com

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = ISO 9001:2015 =

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV GL = IATF 16949 =

International offices:

OMFB FRANCE SAS

Le Grand Planot - 38290 La Verpilliere - FRANCE
Tel: +33 (0)4 691530 91

e-mail: contact@omfb.fr

OMFB IBERTEC, S.L.

P.I. Villalonquejar, C/Condado Treviño nº 4 (nave B1 y B2)
09001 Burgos - ESPAÑA
Tel: +34 947 42 77 01

e-mail: ibertecht@ibertecht.com

CVH - OMFB Limited

Carter Lane East - South Normanton- Derbyshire - DE55 2DY - UK
Tel: +44 (0)1773 581 983

e-mail: carl.hinds@cvhomfb.co.uk

OMFB INDIA PVT LTD.

35/4 , 1st Floor, 1st Main Road, Near NTTF Circle, 2nd Phase,
Peenya Industrial Area, Bangalore 560058 - INDIA
Tel: +91(0)80 48518023

e-mail: sales@omfbindia.com

O.M.F.B. S.p.A. Hydraulic Components

Shanghai Representative Office
Room 105, 107, Building 3#, No. 5278 Chuansha Road, Pudong New District
Shanghai City 201200 - CHINA
Mr Aston Chen 陈畅源
Tel: +86 21 50380223
Mobile: +86 13564770563

e-mail: aston.chen@omfb.com

OMFB PACIFIC PTY LTD

29 Trevi Crescent - Tullamarine 3043 VIC - AUSTRALIA
Tel: +61 (0) 3 9330 2694

e-mail: sales@omfbpacific.com
www.omfbpacific.com

Vers. 04-2024