

KUGELHAHN MÜLLER GMBH
COMPANY PROFILE



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KUGELHAHN MÜLLER
A Subsidiary of Bray International, Inc.

KUGELHAHN MÜLLER COMPANY HISTORY

HIGH QUALITY SINCE 1979

Kugelhahn Müller GmbH has been specialised in the production and sale of ball valves since the company's inception in 1979. In 1980, we began producing special valves made of quality materials such as Hastelloy, nickel, titanium, zirconium and Uranus B6.

At the same time we started producing high-pressure ball valves and special customised designs to expand our range of products. Our company passed another significant milestone in 1996 when we began series production in steel and stainless steel. At our own premises

we have the facilities to flexibly implement all necessary modifications and developments and customise our delivery and production programme.

Thanks to our large warehouse we are able to supply our customers with standard valves within two days from stock – including large corporations such as Lanxess, Covestro, Bayer Crop and other Bayer plants, Evonik and Solvay.

> 2014: Acquisition of Kugelhahn Müller GmbH by **Bray International, Inc.**

CUSTOMER-ORIENTED

SERVICE YEARS OF EXPERIENCE



- > Nominal diameters such as DN 20, DN 32 in stock
- > Pick-up service for repairs



- > Valve modifications
- > Approvals under the German Technical Instructions on Air Quality Control ("TA Luft")
- > 100% of valves tested

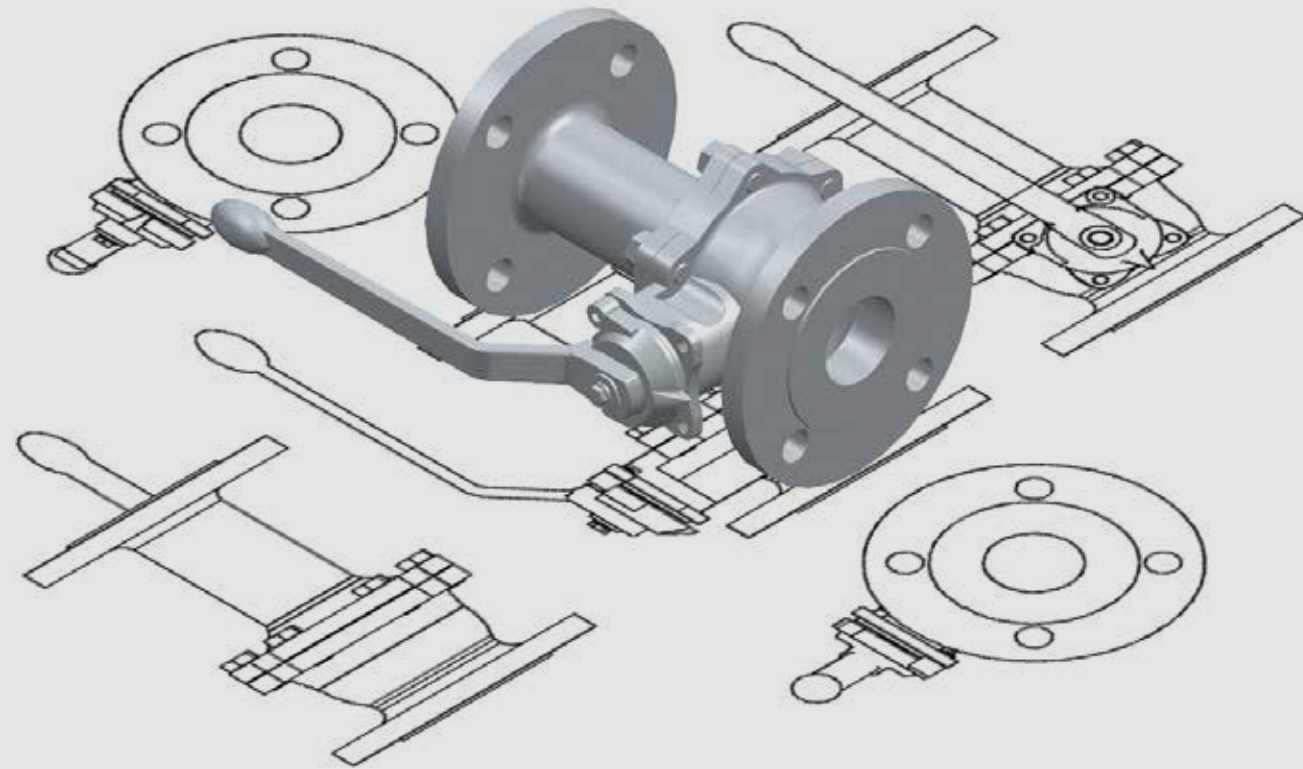


- > Large warehouse capacity
- > On-site customer service



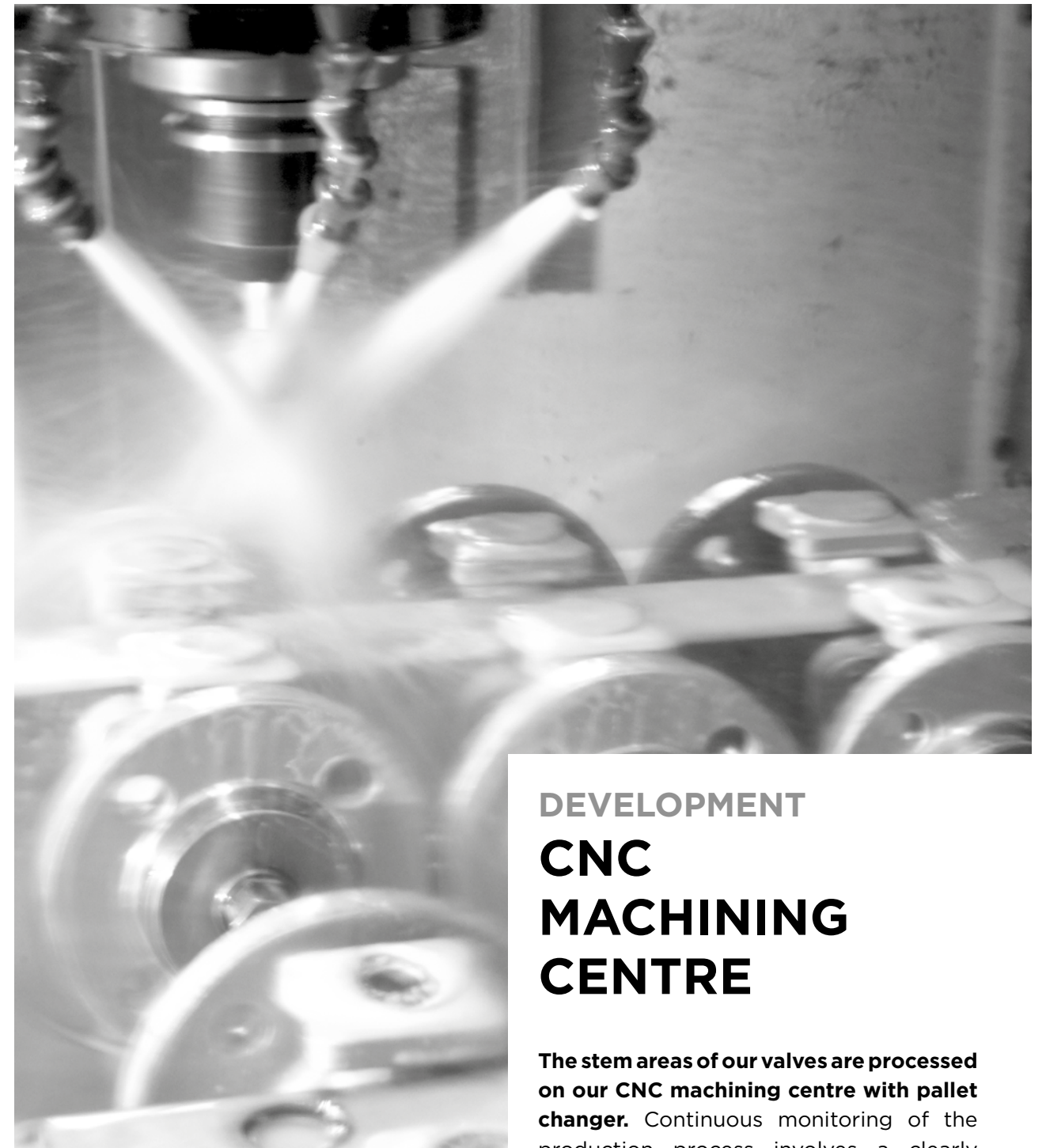
- > Direct supply
- > Production of speciality valves

PRECISION IN EVERY DETAIL ENGINEERING



High quality standards, decades of expertise and the continuous optimisation of our products ensure the best possible quality.

It all starts with an elaborate design and planning process in our in-house engineering department. Maximum precision in every detail and adaptation of the products to their specific applications ensure perfect solutions that are tailored to our customers' needs.



DEVELOPMENT CNC MACHINING CENTRE

The stem areas of our valves are processed on our CNC machining centre with pallet changer. Continuous monitoring of the production process involves a clearly documented inspection concept that includes in-process and final inspections of the products, tools and equipment.

PRODUCTION & ASSEMBLY
AT THE HIGHEST LEVEL
**FOR FLAWLESS
RESULTS**



We continuously optimise the processes in our own assembly shop to achieve the best possible combination of production speed and quality.

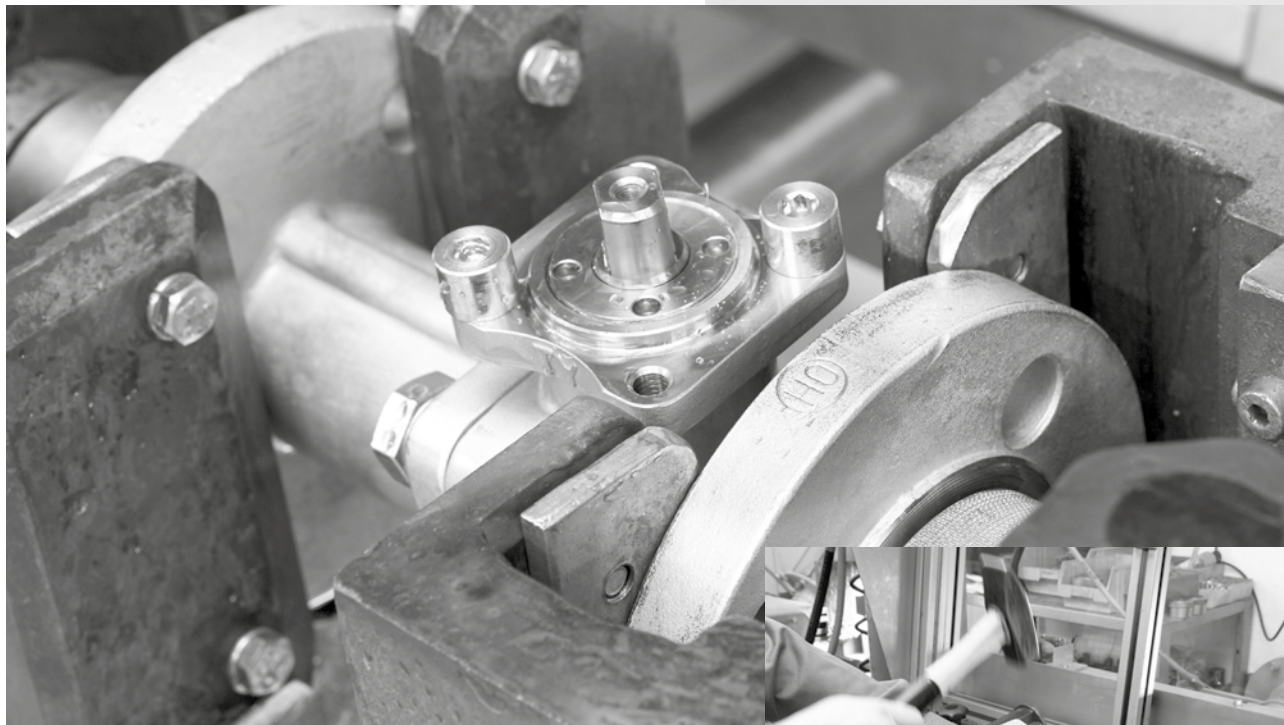
Clearly defined work processes and our superbly skilled staff mesh perfectly with our demanding quality assurance system. State-of-the-art equipment and machines consistently ensure flawless results.

QUALITY ASSURANCE
**THROUGH
OPTIMISED
ASSEMBLY
PROCEDURES**

- > Work location
- > Equipment
- > Working conditions
- > Safety conditions
- > Work methods
- > Many years of experience
- > Employee health



OUR GREATEST ASSET: CUSTOMER CONFIDENCE QUALITY IS OUR FORMULA TO SUCCESS



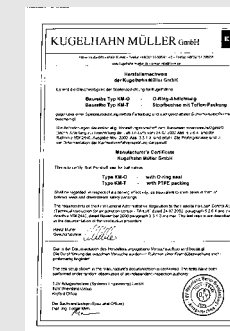
We test every valve for proper operation and leak-tightness on our test benches. A stamp on the flange indicates that the valve has passed these tests and meets all requirements.

ZERO TOLERANCE FOR ERRORS

Due to our strict quality assurance during production the failure rate in these final tests is almost ZERO.

100% QUALITY FROM GERMANY

- > EC Pressure Equipment Directive 97/23/E6 - Module H1 DIN EN ISO 9001:2008
- > AD Code of Practice WO/TRD 100
- > Fire-safe acc. to DIN EN ISO 10497, 2004
- > Technical Instructions on Air Quality Control ("TA-Luft"), VDI 2440 Manufacturer Directory
- > SIL/EC 61508:/EC61511-1:2016



We manufacture all DIN valves in accordance with DIN EN ISO 9001:2000 / DGRL.

Our Quality Management System is regularly checked by TÜV Rheinland; this ensures that we meet the demands of our customers and also achieve our own goals.

The entire company operates and is organised based on the principles of modern quality assurance.

**100% MADE
IN GERMANY**



PRODUCT OVERVIEW


FLANGED BALL VALVES



FLANGED BALL VALVE STANDARD

KM-OXST-F1/F27 & KM-OAST-F1/F27

Type	Stainless steel: KM-OXST-F1/F27 Steel: KM-OAST-F1/F27
Size Range	DN 15 – DN 200
Pressure Rating	PN 16 – PN 40
Body / Body Cap	1.4408 or 1.0619
Ball / Stem	1.4404/1.4408
Ball Seats	PTFE / 25% glass
Body Gasket	PTFE, enclosed - chambered
Stem Sealing	PTFE / floating ring seal, primary - * Viton O-ring, secondary



FLANGED BALL VALVE STANDARD

KM-TXST-F1/27 & KM-TAST-F1/F27

with Teflon sealing (PTFE)

Type	Stainless steel: KM-TXST-F1/F27 Steel: KM-TAST-F1/F27
Size Range	DN 15 – DN 200
Pressure Rating	PN 16 – PN 40
Body / Body Cap	1.4408 or 1.0619
Ball / Stem	1.4404/1.4408
Ball Seats	PTFE / 25% glass
Body Gasket	PTFE, enclosed - chambered
Stem Sealing	PTFE




FLANGED BALL VALVE

KM-OX-F1/F27 + & KM-OA-F1/F27

with O-ring sealing (Viton)*

Type	Stainless steel: KM-OX-F1/F27 + Steel: KM-OA-F1/F27
Size Range	DN 15 – DN 100
Pressure Rating	PN 16 – PN 40
Body / Body Cap	1.4408 or 1.0619
Ball / Stem	1.4404/1.4408
Ball Seats	PTFE / 25% glass
Body Gasket	PTFE, enclosed
Stem Sealing	PTFE / thrust washer, primary - * Viton O-ring, secondary

Sealing materials are interchangeable depending on the temperature and medium.



FLANGED BALL VALVE

KM-TX-F1/F27 & KM-TA-F1/F27

with Teflon sealing (PTFE)

Type	Stainless steel: KM-TX-F1/F27 Steel: KM-TA-F1/F27
Size Range	DN 15 – DN 100
Pressure Rating	PN 16 – PN 40
Body / Body Cap	1.4408 or 1.0619
Ball / Stem	1.4404/1.4408
Ball Seats	PTFE / 25% glass
Body Gasket	PTFE, enclosed - chambered
Stem Sealing	PTFE

Sealing materials are interchangeable depending on the temperature and medium.

For example: KM-TX with ball seats PTFE / 25% glass -> up to 180 °C
KM-TX with ball seats PTFE / 50% VA -> up to 220 °C

PRODUCT OVERVIEW

BALL VALVES



FLANGED BALL VALVE ANSI
KM-TX-ANSI & KM-TA-ANSI

Size Range	1/2" – 6"
Pressure Level	150 – 300 lbs/in²
Flanges	ASME B 16.5 (2009) – Raised Face
Face-to-Face	acc. to EN 558:2012
Body	ASTM A351-CF8M
Ball / Stem	1.4404/1.4408
Ball Seats	PTFE / 25% glass
Stem Sealing	PTFE
Body Gasket	PTFE, enclosed - chambered



HIGH-TEMPERATURE BALL VALVE
KM-X-HT-F1/F27 & KM-A-HT-F1/F27

stainless steel with graphite sealing / up to 280 °C

Size Range	DN 15 – DN 100
Pressure Rating	PN 40
Flanges	acc. to DIN EN 1092-1 Form B1
Face-to-Face	acc. to EN 558 F1 + F27
Body	1.4408
Ball / Stem	1.4404/1.4408
Disk Springs	Inconel
Ball Seats	Coal / antimony-chambered
Stem Sealing	Graphite
Body Sealing	Graphite



BALL VALVE
BALL VALVES WITH HEAT JACKET

Size Range	DN 15 – DN 25 with heating connection 2 x flange DN 15 made of 1.4404 heating jacket + connection = PN 25 at 50 °C
Size Range	DN 40 – DN 100 with heating connection 2 x flange DN 25 made of 1.4404 heating jacket + connection = PN 25 at 50 °C
Pressure Rating	PN 16 – PN 40
Body	1.4408
Ball / Stem	1.4404/1.4408
Ball Point	PTFE / 25% glass
Stem Sealing	PTFE
Body Gasket	PTFE - chambered
Standard	acc. to 97/23/EG (H1) tow-piece, with full bore
Flanges	acc. to DIN EN 1092-1 Form B1
Face-to-Face	acc. to EN 558-1 F1

PRODUCT OVERVIEW ACCESSORIES

ACTUATOR INSTALLATION
MANIFOLDS AND
COUPLINGS



CLOSED AND/OR OPEN POSITION
BALL VALVE WITH
POSITION LOCK



LOCKING UNIT



BALL VALVES
WITH ACTUATORS &
FEEDBACK UNIT



ACTUATOR INSTALLATION
STEM EXTENSIONS



MODULAR DESIGN
STEM EXTENSIONS



STAINLESS STEEL
HAND WHEEL





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**YOUR SPECIALIST
FOR BALL VALVES**



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All statements, technical information and recommendations in this brochure are intended for general use only.

Please contact us for the specific requirements and material selection for your intended application.

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