

THE MODULAR TUBING SYSTEM



JACOB – YOUR NO.1 FOR MODULAR TUBING SYSTEMS

Tubing systems are the lifeline of modern production systems. They transport raw materials and products, direct exhaust and extract dust. Their applications are as diverse as the spatial requirements, making each tubing system unique.

The modular system developed by JACOB features over 7,000 standard articles alone and combines versatile options for custom design with simple assembly. The result is a tailored solution for any challenge.

With its subsidiaries in Europe and North America, as well as over 40 representatives worldwide, the JACOB Group is just as global as its customers. A modern warehouse featuring 7,000 m² at the headquarters in Porta Westfalica, in Germany, as well as additional local warehouses outside of Germany, ensure immediate availability of our products. State-of-the-art production technology allows for both efficient series and custom production. All this, together with our uncompromising pursuit of premium materials and technologies, results in innovative, high-quality products, made with German ingenuity.



QUICK, FLEXIBLE ASSEMBLY

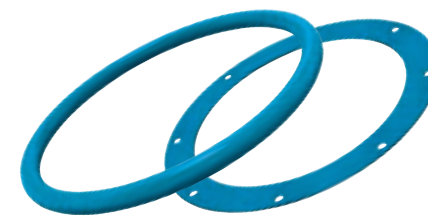
For a system to be profitable as quickly as possible, it has to ensure high availability. JACOB has the perfect solution: QUICK CONNECT technology. Intelligent pull rings and perfectly matched U-shaped gaskets significantly reduce the time it takes to assemble, clean, or disassemble your system.



HIGHEST STANDARDS FOR SENSITIVE INDUSTRIES

When it comes to food, pharmaceutical products and other sensitive goods, the highest standards for safety and cleanliness must be met. JACOB meets this challenge with its JACOB FOOD GRADE line.

The JACOB FOOD GRADE line is the first modular tubing system to comply with both the EC 1935/2004 requirements and FDA regulations. Only products that are ideal for transporting sanitary products carry our FOOD GRADE label.



INCREASED SAFETY

Our gasket materials meet the highest of standards. Since parts of them may accidentally find their way into your production process, JACOB has managed to incorporate minuscule metal particles into its gasket materials, allowing metal detectors to detect and remove even the tiniest of pieces. Some term this a quantum leap – we call it DETECTABLE DESIGN.

A PERFECT FIT IN MANY INDUSTRIES

We have developed an optimal solution for using our tubing systems in bulk material transport, dust extraction and exhaust technology, as well as low-pressure conveying: extraordinary purity and safety for sanitary products, resistance and robustness for conveying abrasive materials, as well as a reliable seal. As specialized as the surfaces and materials are, they are all united by a common principle: modularity.

BULK MATERIAL HANDLING

CONVEYING TUBE SYSTEMS



JACOB conveying tube systems are used in a wide variety of industries for handling bulk materials or conveying products in downstream systems.

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| <p>Grain</p> <ul style="list-style-type: none"> Cereals Animal feed Seeds | <p>Food and tobacco</p> <ul style="list-style-type: none"> Spices, coffee Tobacco Chocolate Bakery products, pasta Sugar Rice Pet food | <p>Chemicals, pharmaceuticals, plastics</p> <ul style="list-style-type: none"> Polyamides Intermediate products Pharmaceuticals Polystyrene |
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DUST EXTRACTION & EXHAUST AIR

ENVIRONMENTAL ENGINEERING



JACOB tubing systems can be used for dust aspiration and extraction, for example oil mist or welding fumes in production systems in a wide variety of industries.

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| <p>Metal-working</p> <ul style="list-style-type: none"> Degreasing systems Solvent recovery Welding fumes Oil mist Grinding dusts | <p>Chemicals, pharmaceuticals, plastics</p> <ul style="list-style-type: none"> Dusts Fumes Paints | <p>Food and tobacco</p> <ul style="list-style-type: none"> Dusts Fumes | <p>Earth and stones</p> <ul style="list-style-type: none"> Dusts |
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LOW-PRESSURE SYSTEMS

PRODUCT AND AIR CONVEYING



JACOB tubing systems can also be used to convey and extract products in low-pressure applications

- Conveyor lines or extraction, for example of polystyrene, tobacco, wood shavings, plastics as powder or granulate, as well as plastic or electronic waste in recycling facilities
- Air conveying for air-conditioning, cooling and exhaust























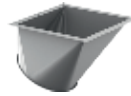








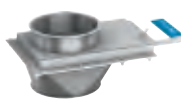























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| <p>Air conveying</p> <ul style="list-style-type: none"> Printing companies Cereal cooling Cleanroom technology | <p>Recycling</p> <ul style="list-style-type: none"> Electronics Plastics Glass Paper | <p>Wood and paper</p> <ul style="list-style-type: none"> Paper Wood Wood shavings Cellulose Biomass | <p>Chemicals</p> <ul style="list-style-type: none"> Polystyrene PU foam |
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OUR MODULAR TUBING SYSTEM – FLEXIBLE, EFFICIENT, RELIABLE



- Modular tubing system with over 7,000 standard parts
- Welded, flanged tubes and stamped components
- Steel: powder-coated, galvanized or stainless
- 60 – 1600 mm (2.25" - 63") diameter in the standard range
- 1 to 3 mm (19-11 gauge) wall thickness
- Connection: pull ring, loose flange or welded-on flange
- Shock-explosion proof tubing available
- FOOD GRADE line
- DETECTABLE DESIGN line
- Up to 400 mm (16") diameter usually available directly from stock

7,000 m² of products available directly from our warehouse in Porta Westfalica – the largest of its type in Europe. Over a million parts valued at approximately 11 million dollars are available for you – all in premium, consistent JACOB series quality thanks to state-of-the-art precision tools developed in-house, such as robot-controlled welders. This allows us to respond to your requests flexibly and generally offer immediate delivery. For individual requirements, we are also happy to produce small series runs or a unique model based on your specifications. Outside of Germany, we also support you with local warehouses at our subsidiaries and selected representatives.

Connecting components	 QUICK CONNECT pull ring	 Two-part pull rings	 U-shaped gaskets/ Flat gaskets	 Loose flanges and welded-on flanges	 Grounding bridges
Tubes	 Tubes	 Welding ends	 Slip Tubes	 Ring seals	 Tubes
Segments and bends	 Segments	 Bends	 Wear protection	 Cast-iron piping	 Adjustable elbows
Form Pieces	 T-pieces	 Laterals	 Conical Laterals	 Symmetrical Y-branches	 Conical Y-Branched
Transitions/Adapters	 Cone Adapters	 Connecting flanges	 Spouts	 Jet caps	 Rain caps
Inspection components	 Inspection sections	 Cleaning sections	 Inspection ports	 Rubber covers	 Cover locks
Regulator gates & shut-off valves	 Throttle valves	 Product slide gates	 Air regulator slide gates	 Non-return valves	 Bulk goods slide gates
Two-way valves	 Two-way valves with collar	 Two-way valves with seal	 Two-way distributors 60°	 Two-way distributors 45°	 Actuators for distributors and throttle valves
Multi port distributors	 Turn-head distributors	 Dual turn head distributors	 Turn-head distributors, dust tight	 Multi port diverters	 JACOB FOOD GRADE turn-head distributors
Accessories & fittings	 Flanges	 Flanging tools	 Grounding wires/lugs	 Pipe clamps	 Flex hose
	 Compensators	 Ball joints	 Sight glasses	 Bagging spouts	 Bag clamps

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