



Connecting Values

As versatile as our customers

 **MASTERFLEX GROUP**

Connecting Values – we offer so much more than just hoses

Everyone wants a better lifestyle: an ever greater choice of high quality products at prices that still remain stable – the demands are constantly increasing. Companies wishing to meet these needs must develop their production processes on a continuous basis. And when it comes to connection systems, they need a product range that offers so much more than mere hoses. We specialise in meeting these demands.

The brands of the Masterflex Group

Within the Masterflex Group there are five specialist brands, which have united to meet the most diverse demands in the field of connection technology. This includes hoses for almost any known industry or sector, such as the industrial and manufacturing sector, medical technology, aviation industry, construction technology and many more.



MASTERFLEX

The name synonymous with spiral hoses. Abrasive media, aggressive or high-temperature gases, as well as temperature-sensitive media are transported through clip, film/foil and profile-extruded hoses.

MATZEN & TIMM

The renowned manufacturer of specialist hoses and moulded parts. Precision and strength are the key features that characterise these products, which are manufactured by hand using industrial processes and find application in sectors such as aviation and aerospace.

NOVOPLAST SCHLAUCHTECHNIK

The specialist for intricate smooth hoses, as well as profiles and moulded parts. The extruded hoses are produced in diameters of between 0.1 and 50 millimetres for industry and medical technology (cleanroom).

FLEIMA-PLASTIC

The injection-moulding experts of the Group. Their range includes medical technology products made in the cleanroom, as well as moulded parts and components.

MASTERDUCT

The air-conditioning specialist, which focuses on the markets of North & South America, concentrates on the Group's hose business along with air-con and ventilation connection systems.

Dr Andreas Bastin,
CEO

Technology ‘made in Germany’

Every successful company is based on a good idea. This is exactly what the team of engineers and businessmen in Germany’s Ruhr district came up with in 1987 when they established the ‘Masterflex Kunststofftechnik’ as a manufacturer of hoses. Over the decades, this small enterprise has gone on to become a major group of companies operating on a global scale: the Masterflex Group.

On a daily basis, our technicians and engineers confront the challenges of the market, in order to continuously develop solutions which will guarantee the success of our company.

What’s it all about? Our many years of expertise in the field of high-tech plastics – and not least the experience of our employees in a multitude of practical applications from industry and commerce – help us to meet these challenges.



Our Headquarters in Gelsenkirchen in the German Ruhr district, Germany

The results speak for themselves: ever innovative hoses and connection systems are launched onto the market at regular intervals, steadily confirming the Masterflex Group as the top technological leader worldwide.

So far - but yet so near!

We serve customers all over the world: multinational companies with production sites and technical distributors around the globe, medium-sized commercial businesses, as well as the construction sector, manufacturers of medical technology and transport providers (road, air and rail). Our team advises you on-site, which is precisely where you need us and our expertise: in Europe, Asia and the Americas.



Testing materials in the incoming goods inspection department at Matzen & Timm

POLYURETHANE CUSTOMER-SPECIFIC HOSE SYSTEMS ENGINE BUILDING
 CONNECTING VALUES - WE OFFER SO MUCH MORE THAN JUST HOSES
 PROTECTION AGAINST WEAR SOLUTIONS AVIATION AND PHARMACEUTICAL
 INDUSTRIES SPECIAL SYNTHETICS FLEXIBLE COMPETENCE DURABLE
 SUSTAINABLE PRODUCTIVITY CONNECTION SYSTEMS NEW MATERIALS



With the appropriate connectors, spiral hoses from Masterflex provide the best connection for a wide variety of media

Spiral hoses for almost any application

For years, the Masterflex brand has been synonymous with the development and production of high-quality spiral hoses manufactured from high-tech plastics and fabrics.



Transporting highly abrasive gravel requires hoses with maximum resilience

With its broad portfolio of products ranging from profile-extruded hoses, film/foil and clip hoses through to the templine® heated hoses, Masterflex has been offering solutions since 1987 to meet the toughest demands placed on hoses and connection systems in the industry and manufacturing sectors.

The greatest expertise for almost every application

Whether you require hoses that withstand extreme levels of abrasion, have flame-retardant properties, are resistant to hydrolysis or are able to conduct electricity, are crush-resistant or offer a permanent resistance to chemically aggressive or high-temperature gases of up to +1100 °C, Masterflex spiral hoses have been specially developed to meet the most extreme demands possible. And, of course, our Masterflex hoses comply with the regulations of the food and pharmaceuticals industries.

CLOSE CONSULTATION IMPROVING RESOURCES SOLUTIONS
 VALUE-BASED BESPOKE FLEXIBLE INNOVATIVE FLAIR
 SPIRAL HOSES FOR ALMOST ALL PURPOSES FLEXIBLE USER-ORIENTED SOLUTIONS COMMITMENT EXPERIENCE SUSTAINABLE PRODUCTIVITY CUSTOMER-SPECIFIC PRODUCTION RUNS

Our most valuable resource: exceptional ideas

Masterflex combines innovative flair in the product development with a commitment to precision and quality in production. As a result, Masterflex is today already capable of providing long-term and durable solutions on a global basis to a multitude of demands in the field of connection systems. And our team of technical experts is even now working on the next generation of flexible connection solutions – the ‘multi-talented hoses’ of the future.



The management team for the Asian Region planning customer visits in China and Singapore



Standard & bespoke solutions

Our core expertise lies primarily in the development of innovative solutions. Using high-tech plastics and fabrics, we develop new products which are capable of meeting the most diverse demands. Aside from the innovative ideas in development, precision and pronounced quality awareness in production are ingrained in our daily work. We are therefore able to offer high quality hoses and connection systems for almost all sectors, regardless of whether our customers require a solution for a standard problem or are looking for a bespoke solution to meet their individual requirements.

Masterflex-PUR food-grade hose with cone flange, manufactured from polyurethane suitable for use with foodstuffs



Insulated ventilation hoses reduce heat-loss in aircraft air-conditioning systems

A thousand and one solutions from flexible connections

Matzen & Timm is the brand which stands for flexible connections manufactured from high-quality synthetic rubber materials.



Established in 1925, industrial manufacturer Matzen & Timm produces connection solutions for applications which demand maximum precision and durability. This applies particularly to the aviation sector, as well as road and rail vehicles. We therefore make an important contribution to the reliable operation of transport systems: on road, rail and in the air.

Major aircraft manufacturers know they can rely on Matzen & Timm connection components

Processing synthetic rubber by hand

We manufacture moulded parts and connection components which play an integral role in ventilation and hydraulic/pneumatic control systems, with applications in vacuum, in industrial water networks as well as in the field of heat, dust and moisture protection.

These intricate yet robust products are manufactured in part by hand and ensure essential functions in a multitude of industrial applications. Yet another advantage is that batch sizes can vary greatly.



At our site in Norderstedt, Germany, we carry out production processes by hand to ensure the highest level of quality

CONNECTING PARTS AEROSPACE PROTOTYPES ROAD VEHICLES
 A THOUSAND AND ONE SOLUTIONS FROM FLEXIBLE CONNECTIONS
 AEROSPACE COOLING WATER SYSTEMS INDIVIDUAL SOLUTIONS RAIL VEHICLES
 NEW DEVELOPMENTS PROTOTYPE CONSTRUCTION RUBBER INDIVIDUAL PARTS
 CUSTOMER-SPECIFIC SOLUTIONS NEW MATERIALS PRECISION FLEXIBLE



From prototypes right through to mass production

We can do both: not only develop prototypes or pre-production series, but also undertake mass production. In collaboration with our customers, we develop and test individual solutions, as well as refine and advance them right through to the production stage. This enables us to manufacture bespoke connection parts in the required batch size and with the optimum cost structure.

Fire-resistant bellows used in the aviation industry for the compensation of movements



Custom-designed moulded hosing from Novoplast Schlauchtechnik are made to fit any curve. This ensures speedy assembly even in the trickiest of installations

Small hoses – big benefits

Novoplast Schlauchtechnik has established an outstanding reputation as a branded supplier of intricate smooth hoses and tubing for almost any industrial & medical technology application.

The hoses have a diameter of less than 50 millimetres and are used in many applications in everyday life. Not only are they available as standard products, but also as custom-designed connection solutions to meet individual customer requirements. What's more, specialist products such as moulded hoses and profiles round off the Novoplast Schlauchtechnik hose product range perfectly. Here are a few examples of the areas in which our products are used.

Ensuring optimum road performance

The branded products from Novoplast Schlauchtechnik are used in car seating technology for passenger comfort. In a fast sports car, they ensure that the spoiler is deployed when required for optimum road-holding. And in air brake systems for heavy goods vehicles, they transfer the braking force safely and efficiently.

The expandable coil hose for truck brakes manufactured from polyurethane ensures a safe pneumatic connection between the towing vehicle and the trailer



Used by global market leaders

Throughout the world, virtually all processors are produced on machines which are controlled down to the micron by products from Novoplast Schlauchtechnik. Cars are manufactured by robots which are themselves manufactured using XFlame® hoses and pneumatic hoses from this brand.



Specialist tubing for the medical technology industry is manufactured in the cleanrooms at Halberstadt, Germany

Cleanroom production for medical technology

Thanks to the use of micro-extruded tubes in hearing aids, many people can once again enjoy a better quality of life. High-pressure tubes allow the early detection of critical organ changes. And with purpose-built cannulas and injection systems from this range of Novoplast Schlauchtechnik products, the risk of injury is significantly reduced in doctors' surgeries and hospitals throughout the world.

We manufacture these high-tech medical products in Class 7 and 8 cleanrooms for extruded products, and Class 6 for assembled products.

'Novoplast Schlauchtechnik has impressed us for years with their outstanding quality and uncomplicated installations.'

Heiko Schmidt,
Category Management
GROHE Professional



CUSTOMER-SPECIFIC SOLUTIONS SMOOTH HOSES MATERIALS HANDLING TECHNOLOGY SHRINKABLE HOSES SMALL HOSES - BIG BENEFITS FLEXIBLE DRIVE TECHNOLOGY MULTILAYER HOSES MOULDED PARTS PRINTING TECHNOLOGY VACUUM HOSES INSULATING HOSES PNEUMATIC HOSES BRAKE SYSTEMS FLEXIBLE OPTICAL POLYMER FIBRES CONTROL TECHNOLOGY



Tube connector with caps and Y-connectors for medical technology applications, such as heart and lung machines

High-precision injection-moulded plastic

Fleima-Plastic is the brand that stands for high quality injection-moulded parts manufactured from high-tech plastics.

Injection-moulded parts manufactured with maximum precision, along with the related assembled components, play a vital role in the fields of medical technology, cosmetics industry and food processing.

Since its establishment in 1974, Fleima-Plastic has had its own mould-construction facilities. A large number of injection-moulded parts are further processed into installation-ready products or are installed in component assemblies. Fleima-Plastic ensures quality across all the processing stages; customers receive document-controlled quality products and benefit from low costs due to minimised logistics.



Rigorous testing in the cleanroom at Fleima-Plastic

PROTOTYPE CONSTRUCTION MEDICAL TECHNOLOGY FOOD TECHNOLOGY
 BIOCOMPATIBLE INJECTION-MOULDED PARTS IDEAS ON DEMAND
 HIGH-PRECISION INJECTION-MOULDED PLASTIC PRODUCTION MOULD
 CONSTRUCTION DIALYSIS TECHNOLOGY TRANSFUSION TECHNOLOGY
 ASSEMBLY SERVICES CLEANROOMS FLEXIBLE EXCEPTIONAL COSMETICS

Development, prototyping & production - all from one source

Fleima-Plastic is always the obvious choice when it comes to seeking expert advice on the development of new products requiring individual or multiple injection-moulded parts. On the basis of ideas, sketches or a list of specifications, we transform our customers' plans into marketable products. Following the prototype phase, Fleima-Plastic is then able to swiftly start the managed production using its own precision moulding & tool construction facilities.



Cannula collection boxes: organisation made easy in medical rooms



Medical technology is our core competence

We have consistently extended the field of medical technology as our most important area of expertise. Under cleanroom conditions (classes 7 and 8), we manufacture mass-produced items for frequent use, as well as individual solutions for dialysis, infusion and transfusion technologies. And, of course, this is all carried out in compliance with the most stringent standards in the field of medical technology.

Tube connectors with screw threads for a truly secure connection solution



A selection of highly efficient metal connection elements for use in building ventilation

The specialist for a perfect climate

Masterduct is our renowned hose & ducting expert in the Americas. Our site in the USA produces connection parts for use in complex heating, ventilation & air-conditioning (HVAC) systems. What's more, Masterduct combines the complete hose expertise of the entire Masterflex Group for the North & South American markets.

Clean air, the correct temperature and a precisely-controlled room climate are important prerequisites for good working conditions. Modern HVAC (heating, ventilation & air-conditioning) systems require our range of Flexmaster U.S.A.® hoses. Their particular strength lies in their low sound transmission: this is important for air-conditioning rooms which need to be extremely quiet, for example in hospitals, libraries or in government offices such as the Pentagon.



The Pentagon in Washington DC - this building also needs to be perfectly climate-controlled and extremely quiet

AIR CONDITIONING VENTILATION SYSTEMS EXTRACTION INTELLIGENT SYSTEMS
 INNOVATIONS HEATING TECHNOLOGY FOR VENTILATION AND EXTRACTION
 SYSTEMS BUILDING TECHNOLOGY THE SPECIALIST FOR A PERFECT CLIMATE
 FOOD INDUSTRY FLEXIBLE CUSTOMER-SPECIFIC SOLUTIONS CLEANING
 TECHNOLOGY VEHICLE EXHAUST EXTRACTION NEW MATERIALS

Combining the hose expertise of the entire Group for the American markets

Masterduct also sells all of our Masterflex and Novoplast Schlauchtechnik products in North and South America. With the wide range of products including profile-extruded hoses, smooth, film/foil and fabric clip hoses, as well as the templine® heated hoses, Masterduct offers solutions for the most challenging connection applications throughout all industrial and manufacturing sectors.



Applying the finishing to freshly-produced spiral hoses



Fire-resistant metal spiral connection for building ventilation

Market leader in vehicle exhaust extraction systems

Since the company was established in America, Masterduct has developed a wide-ranging product portfolio and extensive expertise for the most varied applications in the industrial and manufacturing sectors. This applies particularly to specialist exhaust extraction systems: when it comes to extracting exhaust fumes from heavy diesel engines, high-temperature gases or chemically aggressive fumes, we will always find a safe solution.

Values we're proud of

Your reliable partner

Our customers know they can rely on us as their partner. As a medium-sized company, we pride ourselves on our transparent organisation and committed staff. Our people are experts in their field and take real responsibility.

The principle of sustainability

In the production of our hoses, we can boast minimum waste. Residual materials from production are recycled, consequently minimising the use of plastics, metals and energy. This not only reduces costs and the impact on the environment, but also sets cutting-edge standards: since 2012, our Gelsenkirchen site has been designated as an 'ECO-PROFIT' organisation while our Halberstadt site has been awarded the DIN ISO 14001 certification.



The bull and bear in front of the Frankfurt stock exchange: our shares have been traded here since 2000

Highest level on the stock exchange

The Masterflex Group is listed in the Prime Standard of the German Stock Exchange and regularly publishes financial reports. We pride ourselves on being a transparent company for both investors and business partners.



Masterflex's chemically-resistant suction hoses are always the popular choice for dangerous applications

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 WE'RE THERE FOR YOU - WHENEVER AND WHEREVER YOU NEED US!
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 SPECIFIC SOLUTIONS CUSTOMER-SPECIFIC SOLUTIONS GLOBAL
 PRECISION FLEXIBLE EXPERIENCE EXPERTISE NEW MATERIALS

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