

# Product Overview

## Compressed Air & Electric Supply





# One-stop shopping!



**Solutions** are born as ideas and implemented through **products**.

Conductix-Wampfler's handling systems can be found in many industries. Our compressed air and electric supply systems provide solutions to build ergonomic workplaces.

Conductix-Wampfler develops customized system solutions to meet your requirements. Customers from many industries trust in Conductix-Wampfler products.

Robust, high-quality products make on-site installation simple. Low maintenance and repair costs save time and money over the system's lifetime.

As a system supplier, we at Conductix-Wampfler offer our customers complete service, not just the delivery of the physical products which, if desired, include the steelwork and the lighting. Competent consulting, planning of the entire project, selection and procurement of components and accessories, appropriate logistics design, and on-site commissioning make Conductix-Wampfler stand out.

The result is that important data and necessary power are safely, reliably, and permanently available wherever and whenever they are needed.

Anywhere in the world!

You can count on it!

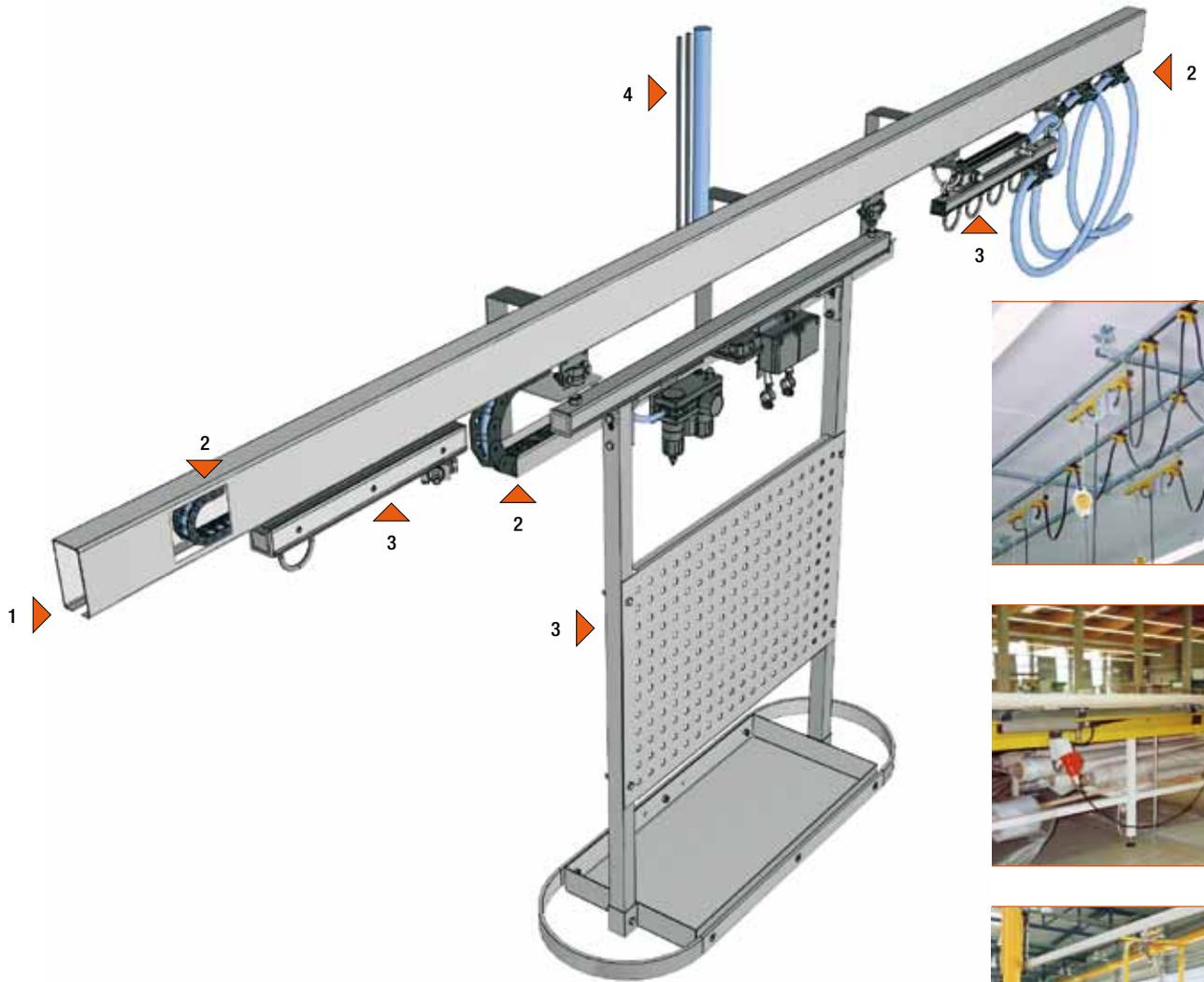


Fully integrated!  
**W<sup>2</sup>-WAKAIR<sup>®</sup>-II**  
on an assembly line



Easy packaging!  
**W<sup>1</sup>-Festoon**  
in a shipping warehouse

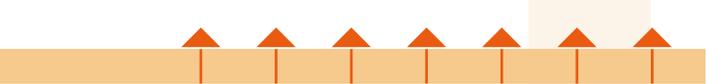
# System Structure



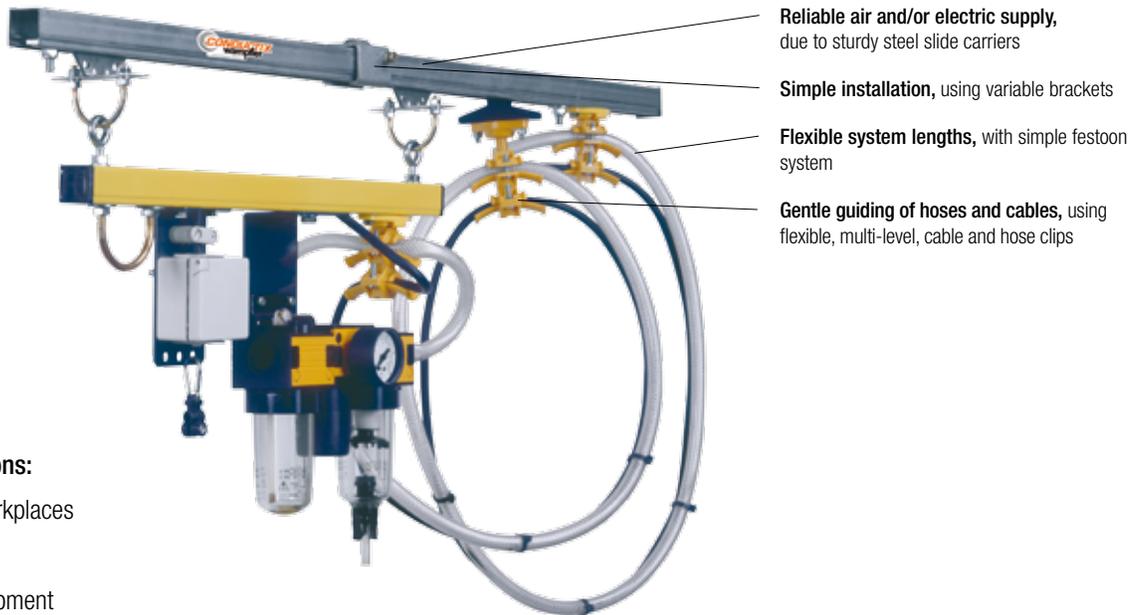
1. Track
2. Mobile power supply (electrical power, compressed air, etc.)
3. Equipment carrier
4. Power feed (electrical power, compressed air, etc.)

# Program Overview

Conductix-Wampfler compressed air and electric supply systems range from simple festoons to fully integrated systems.

		Suspension distance max. (m)	Max. load (kg)
 <p><b>W<sup>1</sup>-Festoon</b></p>	<p><b>For simple applications</b> Conventional festoon system with hose/cable loops</p> 	2	200
 <p><b>W<sup>2</sup>-ManAir</b></p>	<p><b>The integrated system</b> C-rail systems without cable loops through sideways installed energy guiding chain (ideal for retrofit)</p> 	2	200
 <p><b>W<sup>3</sup>-WAKAIR<sup>®</sup> - II</b></p>	<p><b>For heavy loads</b> Energy guiding chain, fully enclosed in an aluminum profile</p> 	6	600
 <p><b>W<sup>5</sup>-traxX</b></p>	<p><b>The automation solution</b> with integrated compressed air line, sideways installed energy-guiding chain, and optional position gauging system</p> 	4	100

# W<sup>1</sup>-Festoon



**Reliable air and/or electric supply,**  
due to sturdy steel slide carriers

**Simple installation,** using variable brackets

**Flexible system lengths,** with simple festoon system

**Gentle guiding of hoses and cables,** using flexible, multi-level, cable and hose clips

## Main applications:

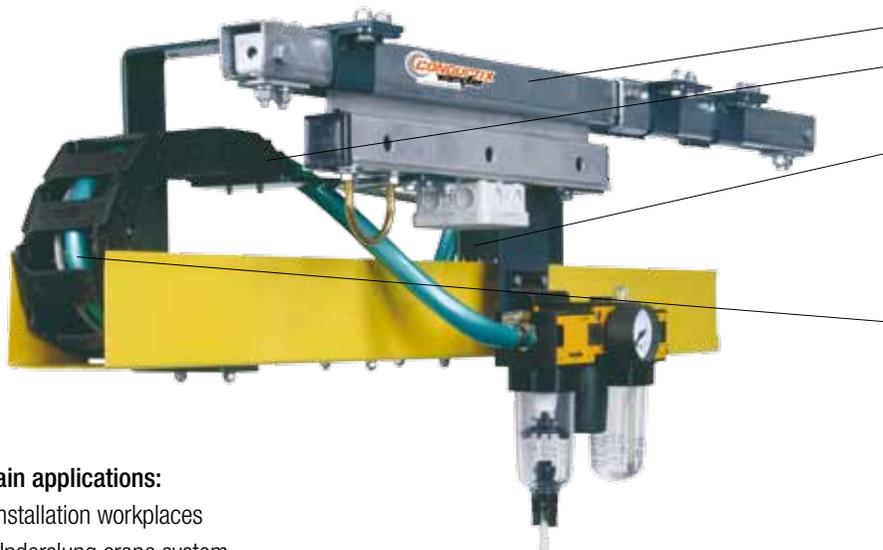
- Installation workplaces
- Workbenches
- Jib boom equipment
- Underslung crane systems
- Portal cranes

## Standard application data

Suspension distance	Max. 2 m	
Max. load	Point load	max. 125 kg
	Section load	max. 200kg/m
Travel speed	Max. 125 m/min	
System length	Compressed air	max. 35 m
	Electrical lines	max. 100 m
Capacity	Up to 3 × ½" compressed air hoses	
	Up to 10 electrical cables, round or flat	
Working pressure	Max. 8 bar	
Interfaces	Hose or cable ends	
Equipment carrier	Steel   Aluminum	
Working conditions	Indoors, +10 °C - +60 °C	



# W<sup>2</sup>-ManAir



- Easy movement**, due to plastic rollers
- No cable loops**, as compressed air and electric supply is enclosed in energy guiding chains on the side of the system
- Use of entire system length is possible**, since no room is taken up by cable storage
- Minimal pressure loss**, due to center feed
- Suitable for large hose diameters**, variable chain sizes
- Can be installed on existing C rails**

### Main applications:

- Installation workplaces
- Underslung crane system
- Portal cranes

### Standard application data

Suspension distance	Max. 2 m	
Max. load	Point load	max. 125 kg
	Section load	max. 200 kg/m
Travel speed	Max. 60 m/min	
System length	Workstation length	max. 20 m
	Capacity	Up to 2 × ½" compressed air hoses 1 electrical cable 3 × 2,5 mm <sup>2</sup> or 5 × 2,5 mm <sup>2</sup> 1 high-frequency cable
Working pressure	Max. 10 bar	
Interfaces	Feed through terminal   hose ends	
	Compressed air outlet using R ½" inside thread (coupler optional)	
Equipment carrier	Steel   Aluminum	
Working conditions	Indoors, +10 °C - +60 °C	





# W<sup>3</sup>-WAKAIR®-II



**No cable loops**, as the energy-guiding chain is integrated into the track

**Use of the entire system length is possible**, since no room is taken up by cable storage

**Very quiet and precise movement**, due to trolleys equipped with guide rollers and anti-lift rollers

**Small installation height**, perfect combination of load track and energy supply

**Protected from dirt and dust**, since the trolley runs in a nearly-closed profile

**Main applications:**

- Assembly lines
- Workbench workplaces
- Light equipment cranes

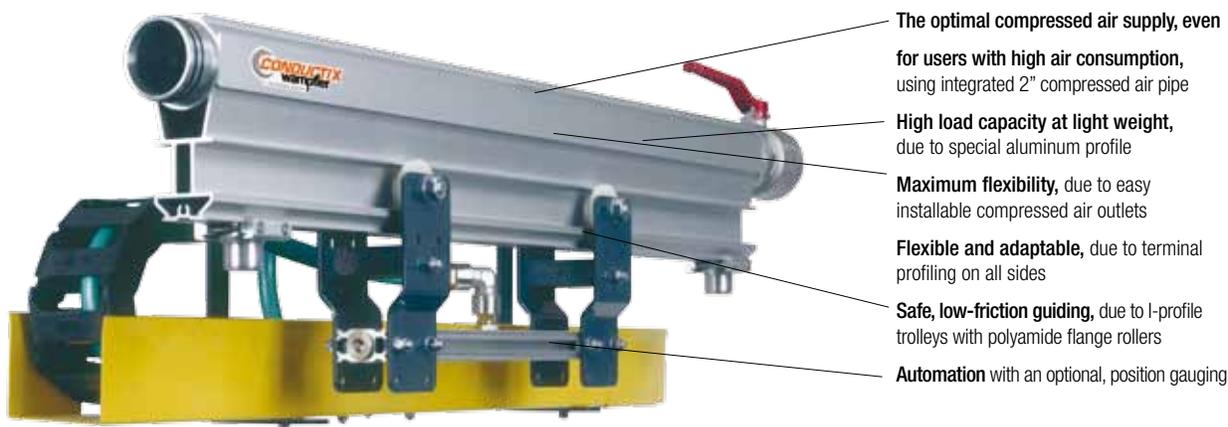
**Standard application data**

Suspension distance	Max. 6 m	
Max. load	Point load	max. 400 kg
	Section load	max. 600 kg/m
Travel speed	Max. 80 m/min	
System length	Workstation length	max. 18 m
Capacity	Up to 2 × 3/8" compressed air hoses	
	1 electrical cable 3 × 2,5 mm <sup>2</sup> or 5 × 2,5 mm <sup>2</sup>	
Working pressure	Max. 12 bar	
Interfaces	Feed through terminal boxes   hose clip 3/4"	
	Compressed air output using R 1/2" inside thread (coupling optional)	
Equipment carrier	Steel   Aluminum	
Working conditions	Indoors, +10 °C - +60 °C	





# W<sup>5</sup>-traxX



- The optimal compressed air supply, even for users with high air consumption,** using integrated 2" compressed air pipe
- High load capacity at light weight,** due to special aluminum profile
- Maximum flexibility,** due to easy installable compressed air outlets
- Flexible and adaptable,** due to terminal profiling on all sides
- Safe, low-friction guiding,** due to I-profile trolleys with polyamide flange rollers
- Automation** with an optional, position gauging

## Main applications:

- Assembly lines in the automotive industry

## Standard application data

Suspension distance	Max. 4 m	
Max. load	Point load	max. 100 kg
	Section load	max. 250 kg/m
Travel speed	Max. 80 m/min	
System length	Workstation length	max. 20 m
Capacity	Up to 2 × ½" compressed air hoses	
	1 electrical cable 3 × 2,5 mm <sup>2</sup> or 5 × 2,5 mm <sup>2</sup>	
	1 high-frequency line	
Working pressure	Max. 12 bar	
Interfaces	Feed through terminal boxes   2" ball valve at feeding point	
	Compressed air outlet using R ½" inside thread (coupling optional)	
Equipment carrier	Steel   Aluminum	
Working conditions	Indoors, +5 °C - +60 °C	
Options	Position gauging system	





# Equipment carrier

Equipment carriers function as both mobile energy distribution and tool storage units.



## Equipment carriers

Sturdy C-rail carriers in lengths ranging from 400 mm to 800 mm, with easy moving trolleys and steel or plastic rollers.



## Tool transporter

Adjustable lengths from 1750 mm to 3150 mm. Basic units include revolving models to suit different accessories.



For customization of equipment carriers, Conductix-Wampfler offers a wide variety of **accessories**:

- Compressed air couplers
- Filter regulator-lubricator
- Electrical connections/distributors
- Cable/hose reels
- Balancers/retractors
- Perforated sheet metal
- Warehouse storage bins
- Tool bins
- Light fixtures
- ...

**Customized solutions** come first for Conductix-Wampfler: we identify, design, and produce your individual, ergonomically optimized tool transporter, including all accessories and equipment.





# Custom-fit service

## Industry-specific competence

The scope and depth of Conductix-Wampfler's services are oriented toward the specific requirements of our customers. Services may include: layout and planning, installation and commissioning, and full service contracts. The more complex the system design / operational expectations, the more important it is to make use of our experienced service team. We're ready for your challenge.

## Project planning

- Product-neutral consulting
- Selection of the best compressed air and electric supply system optimized for customer requirements, parameters of use, and environmental influences
- Creation of layouts based on customer specifications



## Installation and commissioning

- Delivery of preassembled systems
- On-site supervision and inspection available
- Adhering to customer's quality assurance guidelines
- Complete installation and commissioning by trained, experienced technical staff

## Service and maintenance

- Regular preventative maintenance and inspections increase the life of your system and ensures many years of use
- Conductix-Wampfler service agreements: the "complete worry-free package"



From project planning and preassembly to on-site installation, Conductix-Wampfler specialists are there for our customers - anywhere in the world!



# Your Applications - our Solutions

Compressed air and electric supply systems from Conductix-Wampfler represent only one of the many solutions made possible by the broad spectrum of Conductix-Wampfler components for the transport of energy, data and fluid media. The solutions we deliver for your applications are based on your specific requirements. In many cases, a combination of several different Conductix-Wampfler systems can prove advantageous. You can count on all of Conductix-Wampfler's Business Units for hands-on engineering support - coupled with the perfect solution to meet your energy management and control needs.



#### Cable reels

Motorized reels and spring reels by Conductix-Wampfler hold their own wherever energy, data and media have to cover the most diverse distances within a short amount of time - in all directions, fast and safe.



#### Festoon systems

It's hard to imagine Conductix-Wampfler cable trolleys not being used in virtually every industrial application. They're reliable and robust and available in an enormous variety of dimensions and designs.



#### Conductor rails

Whether they're enclosed conductor rails or expandable single-pole systems, the proven conductor rails by Conductix-Wampfler reliably move people and material.



#### Non-insulated conductor rails

Extremely robust, non-insulated conductor rails with copper heads or stainless steel surfaces provide the ideal basis for rough applications, for example in steel mills or shipyards.



#### Energy guiding chains

The "Jack of all trades" when it comes to transferring energy, data, air and fluid hoses. With their wide range, these energy guiding chains are the ideal solution for many industrial applications.



#### Slip ring assemblies

Whenever things are really "moving in circles", the proven slip ring assemblies by Conductix-Wampfler ensure the flawless transfer of energy and data. Here, everything revolves around flexibility and reliability!



#### Inductive Power Transfer IPT®

The no-contact system for transferring energy and data. For all tasks that depend on high speeds and absolute resistance to wear.



#### Reels, retractors and balancers

Whether for hoses or cables, as classical reels or high-precision positioning aids for tools, our range of reels and spring balancers take the load off your shoulders.



#### Jib boom

Complete with tool transporters, reels, or an entire media supply system - here, safety and flexibility are key to the completion of difficult tasks.



#### Conveyor systems

Whether manual, semiautomatic or with Power & Free - flexibility is achieved with full customization concerning layout and location.

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