

# Product Overview

## Media Supply Systems



KAT0470-0001-USA

**wampfler**  
solutions for a moving world







Clean solution!  
**W<sup>2</sup>-airsolution**  
at Volkswagen



# One-stop shopping!

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

Wampfler's handling systems can be found in any industry. Our media supply systems offer solutions to build ergonomic workplaces.

Wampfler develops customized system solutions to meet your requirements. Customers from all industries trust in 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 Wampfler offer our customers complete service, not just the delivery of media supply systems. Competent consulting, project planning of the entire system, selection & procurement of components & accessories, appropriate logistics design, and on-site commissioning make Wampfler's offering stand out.

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

Anywhere in the world!  
You can count on it!

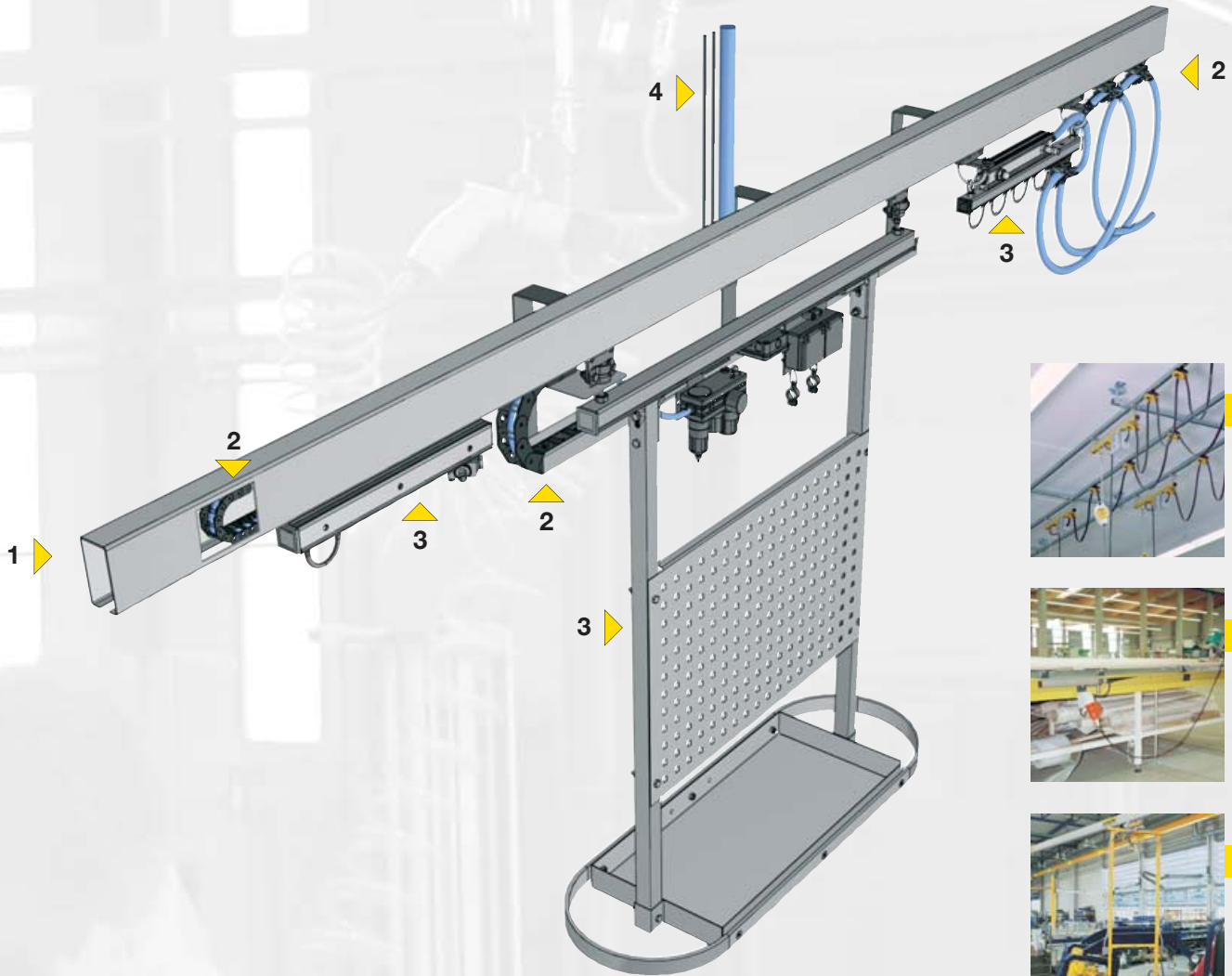


Fully integrated!  
**W<sup>2</sup>-WAKAIR<sup>®</sup>-II**  
on an assembly line



Easy packaging!  
**W<sup>2</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.)

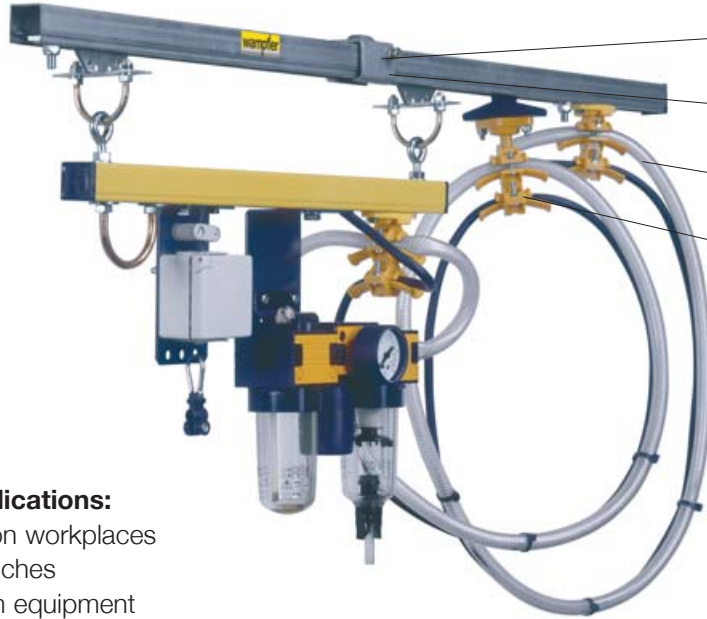


# Program Overview

Wampfler media supplies range from simple festoons to fully integrated systems.

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

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



**Reliable supply**, thanks to sturdy steel slide carriers

**Simple installation**, using variable brackets

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

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

## Main applications:

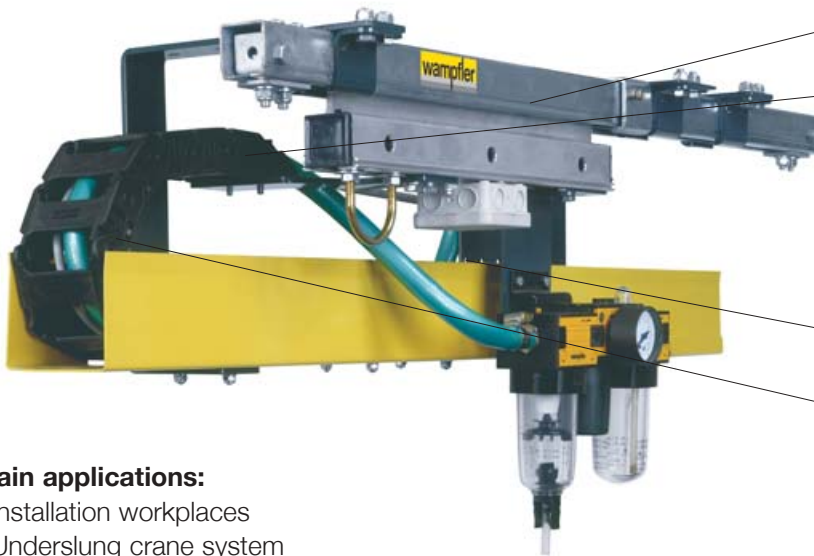
- Installation workplaces
- Workbenches
- Jib boom equipment
- Underslung crane systems
- Portal cranes

## Standard application data

|                     |  |               |
|---------------------|--|---------------|
| Suspension distance | max. 2 m   |               |
| Max. load           | Point load   | max. 125 kg   |
|                     | Section load   | max. 200 kg/m |
| Travel speed        | max. 125 m/min   |               |
| System length       | Compressed air   | max. 35 m     |
|                     | Electrical lines   | max. 100 m    |
| Capacity            | up to 3 x ½" compressed air hoses<br>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,**  
thanks to plastic rollers

**No cable loops,**  
as media 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 x 1/2" compressed air hoses                                   |               |
|                     | 1 electrical cable 3 x 2,5 mm <sup>2</sup> or 5 x 2,5 mm <sup>2</sup> |               |
|                     | 1 high-frequency line   |               |
| Working pressure    | max. 10 bar   |               |
| Interfaces          | Feed through terminal   hose ends                                     |               |
|                     | Compressed air outlet using R 1/2" inside thread (coupler optional)   |               |
| Equipment carrier   | Steel   Aluminum  |               |
| Working conditions  | Indoors, +10 °C - +60 °C  |               |

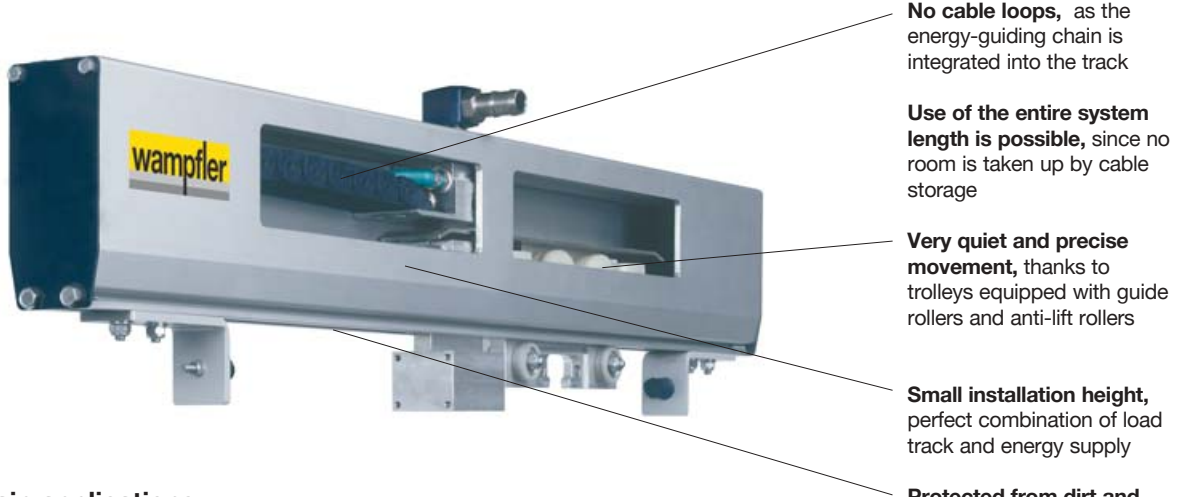








# W<sup>3</sup>-WAKAIR<sup>®</sup>-II



**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**, thanks 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 completely 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 x 3/8" compressed air hoses<br>1 electrical cable 3 x 2,5 mm <sup>2</sup> or 5 x 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>4</sup>-airsolution



**Ideal compressed air supply even for high air demands** using integrated 2" compressed air pipe

**High flexibility**, with pre-installed compressed air outlets (2 m spacing)

**Maximum process safety**, with double O-ring seals

**Easy, precise trolley movement**, thanks to optimized roller arrangement on a four-edged profile

**Continuous compressed air and power supply**

## Main applications:

- Assembly lines

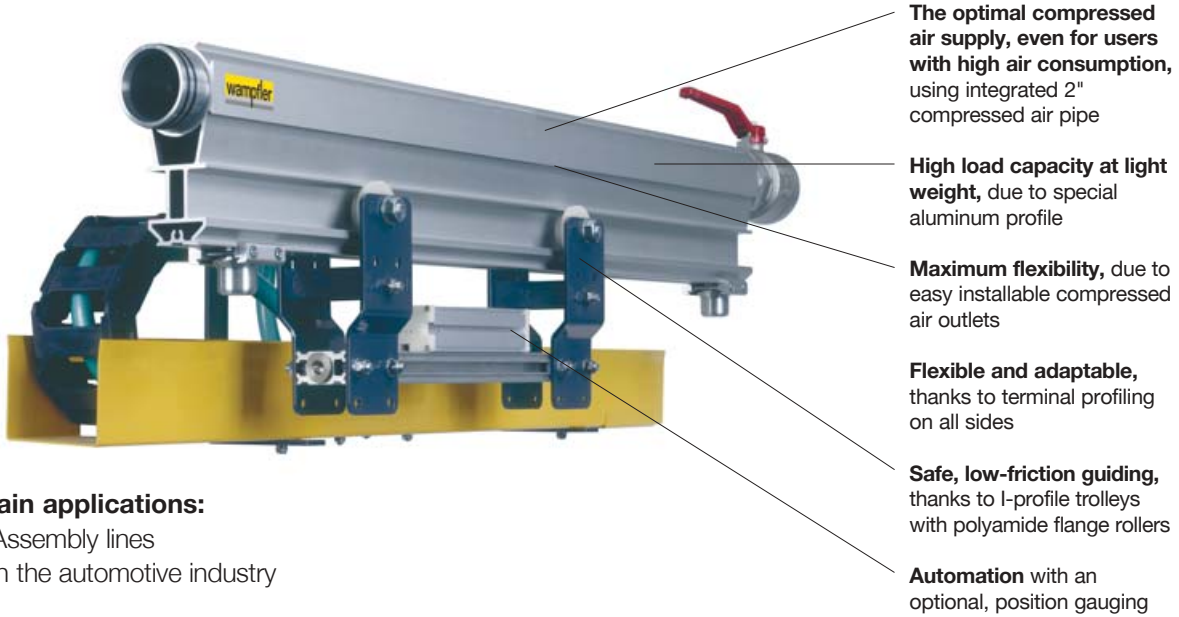
## Standard application data

|                     |  |               |
|---------------------|--|---------------|
| 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 x 1/2" compressed air hoses  |               |
|                     | 1 electrical cable 3 x 2,5 mm <sup>2</sup> or 5 x 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 every 2 m using R 1/2" inside thread (coupling optional) |               |
| Equipment carrier   | Steel   Aluminum   |               |
| Working conditions  | Indoors, +5 °C - +60 °C  |               |





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



## 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 x 1/2" compressed air hoses                                   |               |
|                     | 1 electrical cable 3 x 2,5 mm <sup>2</sup> or 5 x 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 1/2" 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, 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
- ...





# Custom-fit service

## Industry-specific competence

The scope and depth of Wampfler's services are oriented toward the specific requirements of our customers. Services may include: layout & planning, installation & 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 media 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.
- Wampfler service agreements: the "one-stop shopping, no-worries packages"



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





# Your Applications - our Solutions

Media supply systems from Wampfler represent only one of the many solutions made possible by the broad spectrum of Wampfler components for the transport of energy, data and fluid media. The solutions we deliver for your applications are of course based on your specific requirements.

In many cases, a combination of several different Wampfler systems can prove advantageous. You can count on all of Wampfler's Business Units for hands-on engineering support - coupled with the perfect solution to meet your energy management and control needs.



#### Jib boom

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



#### Manual hanging tracks

The ultimate building-block system offers a high degree of customization in regard to requirements layout and installation location.



#### Reels, retractors and balancers

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



#### Festoon systems

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



#### Cable reels

Motorized and spring cable reels by Wampfler are proven solutions wherever energy, data and media have to cover the most diverse distances within a short amount of time - in all directions, fast and safe.



#### Slip ring bodies

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



#### Conductor rails

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



#### Energy guiding chains

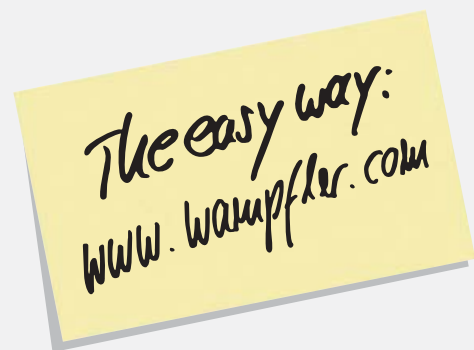
The "Jack of all trades" when it comes to transferring energy, data and media. This broad range of energy guiding chains are proven performers in industrial applications.



#### 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.

**www = wampfler world wide**



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