

Material selection stations

# METROCONNECT METROLINK

 think materials management



# METROCONNECT / METROLINK

## MATERIAL SELECTION STATIONS

motan's material selection stations ensure that every desired connection of a material to a processing machine in your production process can be made quickly and reliably without contamination. Fixed pipe connections throughout the whole production process until the next material change ensures maximum security.

Three different material selection options are available depending on your requirements:

**METROCONNECT U:** a manually operated, un-coded coupling table.

**METROCONNECT C:** a manually operated, coded coupling table utilising state-of-the-art wireless RFID technology.

**METROLINK:** the most advanced fully automated material selection and distribution system.

### METROCONNECT U & C

The METROCONNECT U & C advanced manually operated coupling tables are available in both un-coded and coded wireless RFID versions. They are a high quality engineered solution for typical conveying systems. The METROCONNECT U can easily be upgraded to a coded version.

Convenient table-top design gives you easy access to every connection. Push-fit connectors allow easy insertion of the material lines into the material coupling table. Quick release lids allow for easy removal and ensure an air tight seal. The large grip gives you lots of space for labelling.



### METROCONNECT C

The METROCONNECT C wireless coded coupling table uses RFID (Radio Frequency Identification) technology to check connections and ensure that material is conveyed only when the correct connection is made.

The stiffness of the material hose can cause difficulties when making a material connection on a coded coupling table. motan's specially designed, patent pending, swivel grip solves this problem and allows for hassle-free material changes.



### RFID - technology

Compared to traditional systems, such as barcodes or laser marking, RFID technology offers important advantages in material traceability, verification and validation. Transponder data can easily be read and written. In addition, the data can be extended, modified or replaced. This technology offers to an automated production many benefits because it reduces human error and increases reliability and flexibility.





### **METROLINK - fully automatic**

METROLINK assures that every desired connection of a material to a processing machine in your production process is made automatically and without any chance of cross contamination.

One METROLINK tower can manage up to 16 materials being conveyed to 32 machines - all this with a floor space footprint of under 1m<sup>2</sup>.



### **Wear resistant solutions**

When conveying very abrasive materials, for example glass-reinforced polyamides, it is important that the material selection station is designed to withstand wear. One solution is to use glass material feed lines and bends. motan's glass bends are PU coated and earthed – making them shatter proof and eliminating the danger of static.



### **METROLINK - pipework**

Fixed pipe connections throughout the whole production process until the next material change ensures maximum security and long service life. METROLINK has no flexible hoses and there are no switching operations during normal conveying.

Because of the fixed pipe connections, system throughputs can be increased and several machine lines can be parallel fed with material at the same time.



### **Controls**

METROCONNECT and METROLINK can be fully integrated into the motan CONTROLnet world or operate as stand-alone units with a 5.7" colour touch panel.

# METROCONNECT / METROLINK

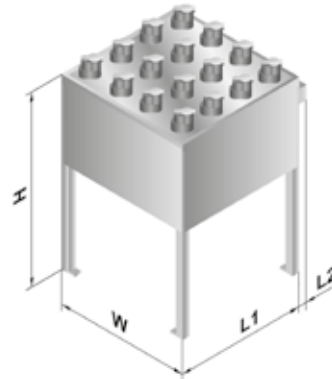
## TECHNICAL DATA

Technical data			
Type METROCONNECT	3x3	4x4	6x6
Number of material lines	9	16	36
Material lines Ø (mm)	45/50/60		
Dimensions [mm]			
W	537	697	1037
L1	521	677	1017
L2	51	51	51
H	1106	1106	1106
Colour RAL (grey)	7040 / stainless steel		

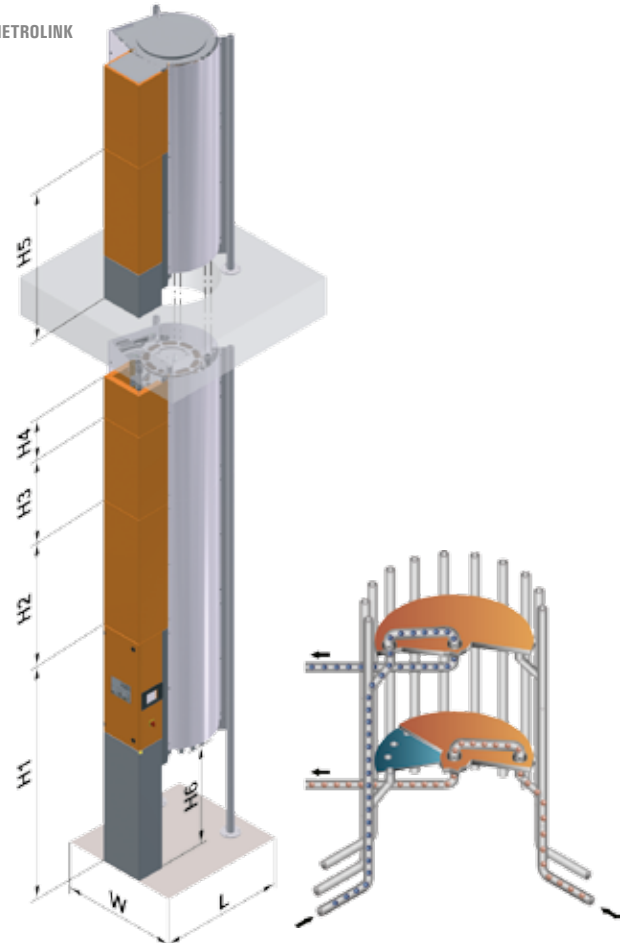
Technical data		
Type METROCONNECT	U	C
Power supply [V/Hz]	-	1/N/PE 230/50
Control voltage [V DC]	-	24

Technical data		
Type METROLINK	45	
Number of material lines	4 - 16	
Number of machines	4 - 32	
Material lines Ø (mm)	45	
Power supply (V/Hz)	1/N/PE 230/50/60	1/N/PE 120/50/60
Compressed air, oil and water-free (bar)	6 - 10	
Dimensions (mm)		
H1	4-6 material outlets (basic version)	2194
H2	6 material outlets	1149
H3	4 material outlets	766
H4	2 material outlets	383
H5	4-6 material outlets (platform extension)	1391
H6		953
W	(required area for maintenance)	846 (2146)
L	(required area for maintenance)	1031 (1331)
Weight approx. (kg) - with max. amount of equipment (H1)	340	
Weight approx. (kg) - with max. amount of equipment (H1+H2)	610	
Weight approx. (kg) - with max. amount of equipment (H1+H2+H3)	880	
Colour RAL (orange/grey)	2011/7040	

METROCONNECT



METROLINK



Subject to technical changes.

Over 130 agencies world-wide.

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