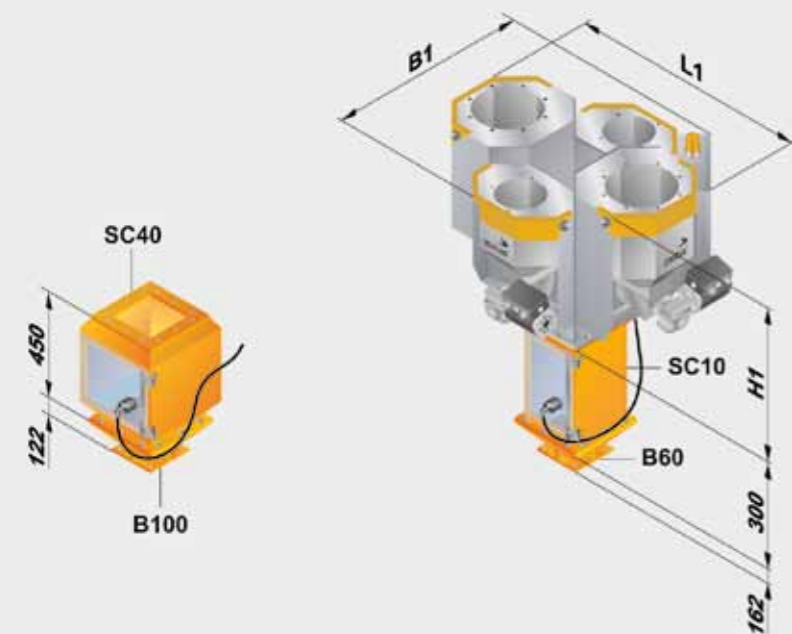




SPECTROCOLOR V



Technical data

Dosing and mixing unit	SPECTROCOLOR V	
	200	1200
Central material hopper	10 (SC10)	40 (SC40)
Number of supply hoppers		
15 l	1 - 4	1 - 6
40 l	-	1 - 5
Connected load (W)	500	
Dosing screw type		
G12S	•	•
G26S/L	•/-	•/•
G52S/L	•/-	•/•
G78L	-	•
Power supply (V/Hz)	1/NI/PE 230/50	1/NI/PE 230/50
Dimensions (mm)		
L1	736	930
B1	970	1022
H1	700	882
Weight approx. (kg)	150	130
Colour RAL (orange/grey)	2011/7040	2011/7040

Subject to technical changes.

China, Beijing Tel. +86 10 8588-6968 sales@motan-colortronic.com.cn	Germany, Bünde Tel. +49 5223 68544-0 Fax +49 5223 68544-11 info@motan-colortronic.de	India, Chennai Tel. +91 44 2247-2423 Fax +91 44 2247-2422 info@motan-colortronic.co.in	Switzerland, Hunzenschwil Tel. +41 62 889 29-29 Fax +41 62 889 29-00 info@motan-colortronic.ch
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China, Guangzhou Tel. +86 20 2886-6688-8081 Fax +86 20 2222-0333 sales@motan-colortronic.com.cn	Germany, Friedrichsdorf Tel. +49 6175 792-167 Fax +49 6175 792-284 info@motan-colortronic.de	Italy, Tortona (AL) Tel. +39 0131-872 933 Fax +39 0131-872 941 info@motan-colortronic.it	Thailand, Bangkok Tel. +66 2 717-1088 Fax +66 2 717-1080 info@motan.co.th
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China, Taicang Tel. +86 512 5357-7066 Fax +86 512 5357-7055 sales@motan-colortronic.com.cn	Germany, Isny Tel. +49 7562 76-0 Fax +49 7562 76-111 info@motan-colortronic.de	Japan*, Hiroshima Tel. +81 82 928-6150 Fax +81 82 928-9954 info@semco.jp	USA, Plainwell Tel. +1 269 685-1050 Fax +1 269 685-1059 motanusa@motan-inc.com
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France, Evry Tel. +33 1 608 690-18 Fax +33 1 608 690-29 info@motan-colortronic.fr	Great Britain*, Chesterfield Tel. +44 1 246 260 222 Fax +44 1 246 455 420 sales@motan-colortronic.co.uk	Singapore Tel. +65 6873-7666 Fax +65 6873-7555 info@motan-colortronic.com.sg
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SPECTROCOLOR V

Your benefits

Cost savings through

- saving additives
- fast material changes
- high productivity
- constant dosing throughput

Production reliability through

- simple calibration
- high repeatability
- simple operation with micro-processor control
- parts in contact with material made of stainless steel
- simple cleaning
- wear-free dosing drive

Dosing and mixing



SPECTROCOLOR V Dosing and mixing units

With the volumetric dosing and mixing unit SPECTROCOLOR V, motan offers a simple solution for the economic production of plastics parts: precise dosing and homogeneous mixing with highest repeatability.

Either as a central mixing station or mounted on the processing machine, they dose and mix up to six materials in granular form. They operate according to the motan gravity mixing principle.

The dosing heads are simultaneously controlled by microprocessor controls. The inclined dosing screws provide a continuous and accurate material feed.



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motan®

 think materials management


motan®



SPECTROCOLOR V

The SPECTROCOLOR V doses and mixes volumetrically up to six materials in the gravity mixing hopper, either as a central mixing station or mounted on the feed throat of the processing machine.

If the material level falls below the sensor, the level sensor in the gravity mixing hopper sends a signal to activate the dosing screws which operate simultaneously and in the preset weight ratio.

The cleaning of the SPECTROCOLOR V is easy - no tools are required.

Modular design

Due to the modular design of the SPECTROCOLOR V, the supply hoppers and dosing heads can be removed without tools. Therefore, cleaning and quick change-over to other materials is easy.

Depending on the application, different dosing modules with different screw sizes and hopper sizes are available.

Dosing head and supply hopper

The inclined dosing heads avoid material trickle due to movement of the processing machine. For cleaning, the dosing screw is simply removed. The dosing drive can be fixed while changing the screws and hoppers. This simplifies handling for the user. The dosing screws are supported at one end. Thus, material jams at the screw discharge are avoided. The quick-change system for dosing screws ensures that the dosing head suits different throughputs and materials.

No tools are needed to remove the stainless steel supply hoppers. Therefore, cleaning is no longer a problem.



SPECTROCOLOR V

VOLUnet control

- Easy to understand instruction on the touch screen
- Ethernet compatible, therefore easy to integrate into motan's CONTROLnet
- Up to 50 recipes possible
- Recording (recipe report, shift report)
- When used in combination with the GRAVIflow weigh bin the actual throughput (kg/h) and cumulated throughput quantities since production start (kg) and summary alarms can be displayed.
- Convey control as option for 7 hopper loaders and 2 blowers or alternatively 1 blower and 1 standby blower; further options through interprocess communication.

Performance data

Screw type	Bulk density	Dosing capacity (kg/h) i=24:1
G12S	0,6 (kg/dm³)	0,02 - 3,0
G26S/L		1,0 - 70
G52S/L		8,0 - 510
G78L		32,0 - 1950

The performance range depends on the bulk density and flow properties of the granulate.