

Materials Conveying

Product Guide



OVERVIEW

Provides all the benefits of a mini-central system...



HOW IT WORKS

Determine the number of receivers to be included in your system...



PRODUCT INFORMATION

View our full technical specification...
MLS Loading System
Flexbus control components



CONTACT

Find out your local contacts or where your regional head office is located.

**EFFECTIVE & INNOVATIVE
MATERIALS
CONVEYING AND
CONTROLS**

MAGUIRE[®]
Intelligent Simplicity

Materials Conveying

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Maguire Products offers one of the
most comprehensive warranties in
the plastics industry.

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mini-central system.

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HOW IT WORKS

Total control of a processors most
expensive operational cost –
raw materials.

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OVERVIEW



The Maguire Loading System (MLS)

Provides all the benefits of a mini-central system with the added convenience of portability and low maintenance

STANDARD FEATURES INCLUDE

Full view of the loading action

Direct view of the loading makes it easy for operators to monitor operation and adjust fill times.

Reduction of clogging

Clogging is reduced with a patented deceleration chamber that facilitates separation of material from the air stream and a fast-action slide-gate that prevents pellet entrapment during material discharge.

Low wear and maintenance

The stainless steel blast plate that deflects material into the receiver is replaceable. The system uses only a single, brushless motor and receivers have no filters to clog.

Ready access for cleanout

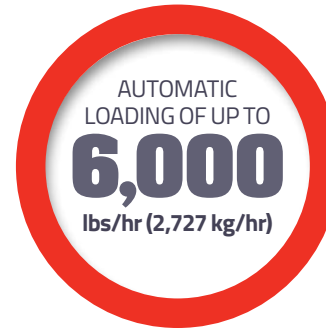
The top cover of the receiver includes the vacuum valve, material inlet and cleanout port. The dust collector features a bag type filter with blow-back and a hinged pivot tray for easy removal.

The Maguire Loading System (MLS) controller

Two types of control – classic analogue 8 station control or new flexbus control expandable to 24 stations.

Easy setting of fill time

Push-button activation of the "Autofill" software sets the fill-time for each station.



Automated loading

The controller sequences through the various stations, loading each as the level sensor at the station calls for material.

Load failure alarm

A load-failure alarm with reset is incorporated in the controller.

Remote controller operation

Each controller is removable for remote operation.

Multiple power unit sizes

The power unit is portable, and is available with a 1, 2.5, 5 or 10 HP blower.

Multiple small systems increase reliability

The use of several Clear-Vu® Loading Systems instead reliance on a single larger central system increases versatility ensures continued production



Clear-Vu®

The FlexBus Loading System

A single wire connects all receivers in the system so the system is easily expanded to meet your needs.

Central vacuum system efficiency

Utilizing a 3-phase vacuum pump to supply multiple vacuum receivers is much more efficient than using separate vacuum loaders.

Easy installation

Install a single wire and conveniently located drops to connect the control to all receivers and pumps.

System grows with your needs

Each FlexBus central control allows addition of up to 5 pumps and up to 24 receivers per pump for a total of 120 receivers.

Local receiver control

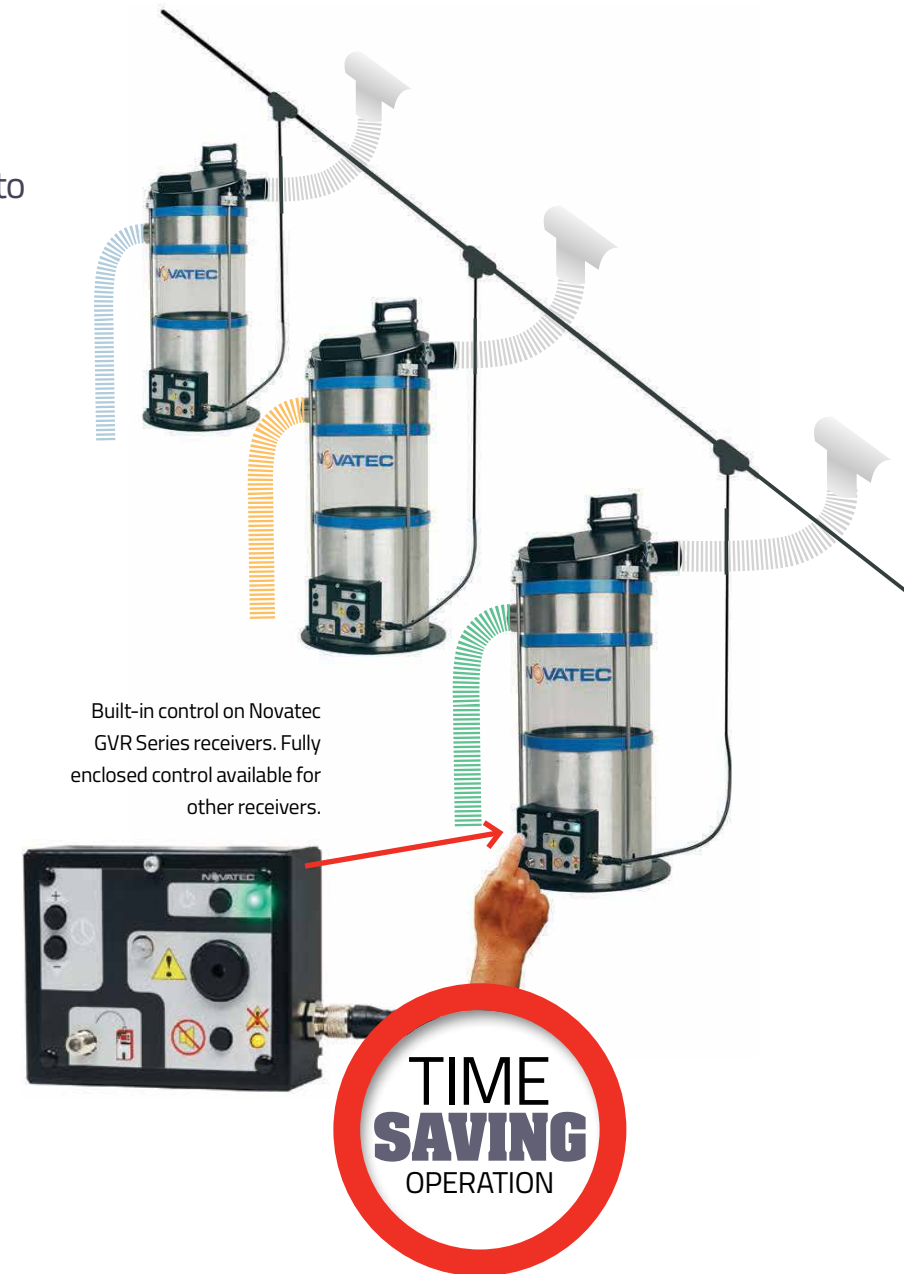
Provides ON/OFF and loading time convenience. No need to run back to the central control.

Full featured central control

Adjustable load, unload, priority, proportioning, purge, blowback and alarm settings.

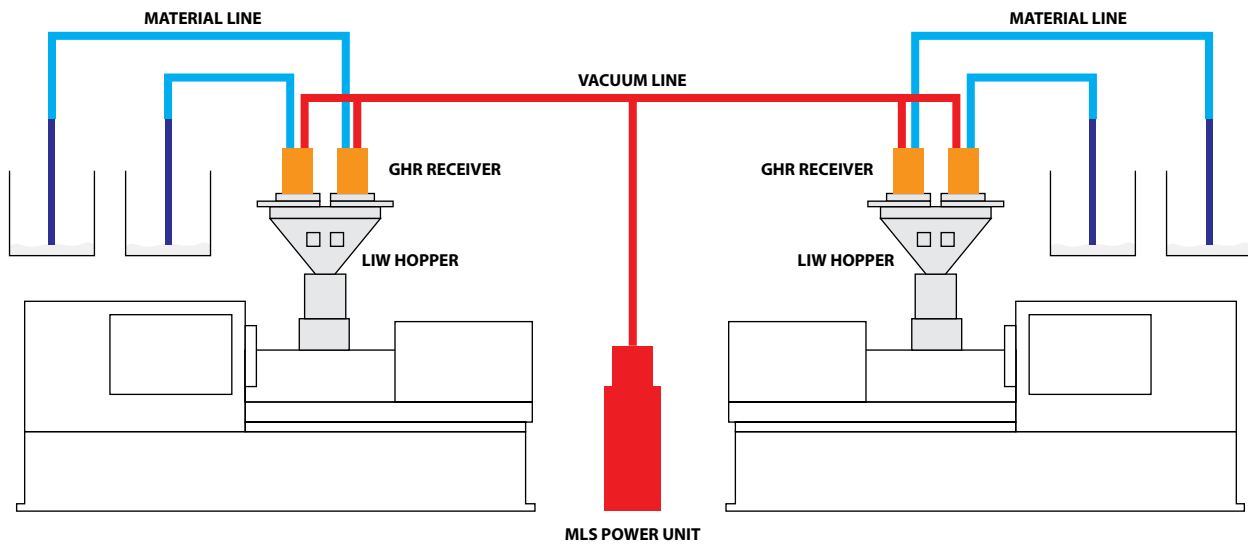
ADD AS YOU GROW

The FlexBus System allows you to avoid the guesswork associated with central system conveying. Start with one central FlexBus loading control using only one pump and receiver if you like. In time, you can control up to 5 pumps and 120 receivers (24 per pump) with that single central controller.



HOW IT WORKS

The Maguire Loading System (MLS)



EFFICIENT &
SIMPLE
DESIGN



Power units

Include pump, dust collector and controller
1, 2.5, 5 and 10 Hp
(.75, 1.9, 3.7 and 7.5 kw)



Receivers

10 and 20 lb capacities
(4.5 and 9 kg)

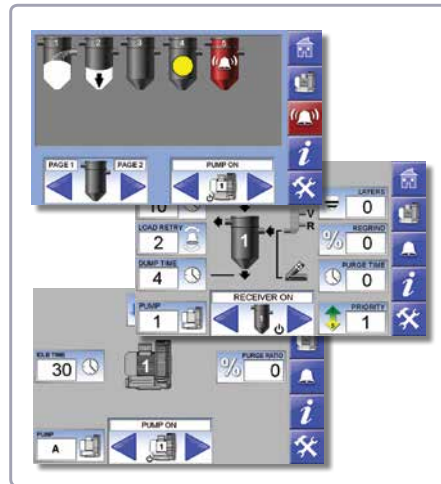
The FlexBus Loading System... *is easy to use*

FLEXBUS LOADING CONTROLLER



- 7" Color Touch Screen
- Control up to 5 pumps & 120 receivers (24 receivers per pump)
- Auto ID of receivers for easy system expansion
- Includes power supply and pump control board
- Audible and Visual Alarms
- Single wire CANbus connectivity
- Adjustable load, unload, priority, proportioning, purge, blowback and alarm settings
- 24 Vdc Control Voltage

FLEXBUS LOADING CONTROLLER



- Same features as Loading Controller
- Powered by CAN network

FLEXBUS RECIEVER CONTROL MODULE



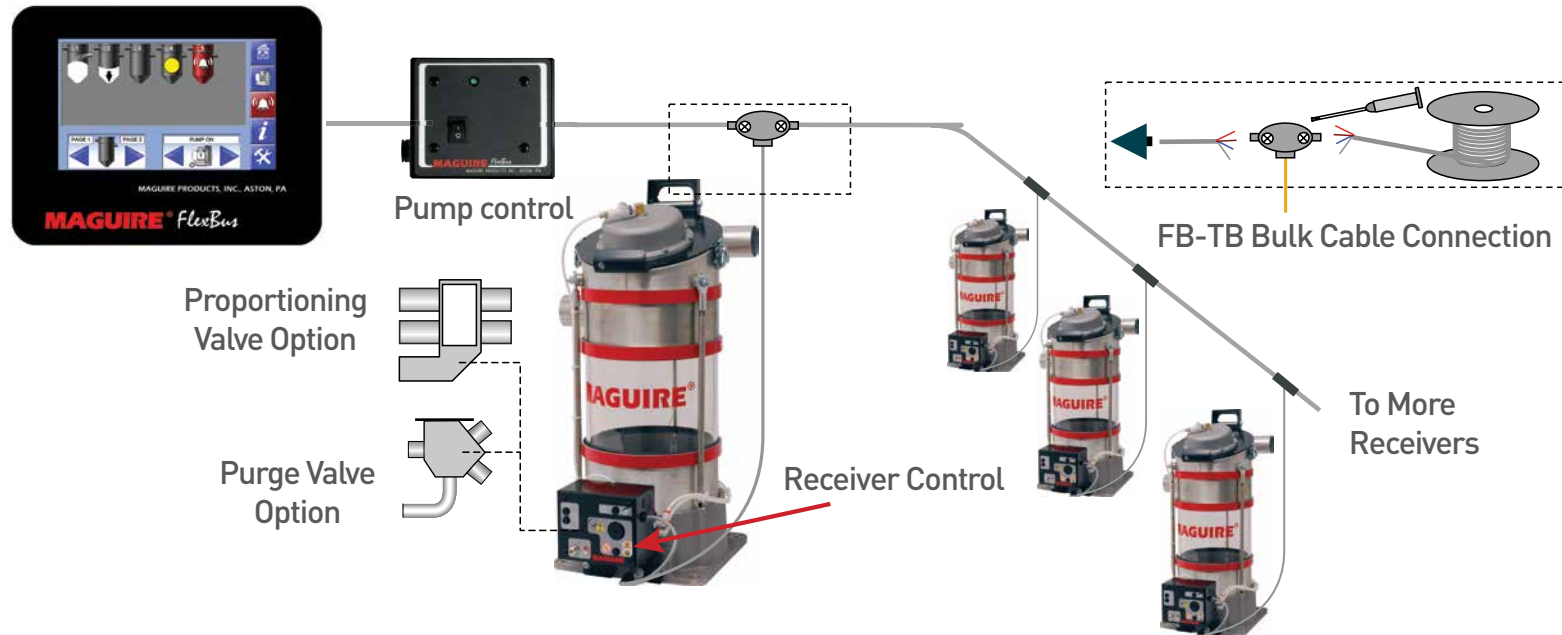
- CANbus system interconnect
- Local control of basic loading parameters
- Easily retrofit to existing receivers
- ON/OFF control
- Local Load Time adjustment
- 24 VDC sensor & solenoid connections

FLEXBUS PUMP CONTROL MODULE WITH POWER SUPPLY



- CANbus system interconnect
- Easily retrofit to existing pumps
- 24 VDC output for pump control
- Provides power for the CANbus network
- 115 VAC Operating Voltage
- FlexBus Pump Control Module
- CANbus system interconnect
- Easily retrofit to existing pumps
- ON/OFF control

The FlexBus Loading System... *is easy to integrate*



Selecting what you need

1. Determine the number of receivers to be included in your system and confirm conveying rates and efficiency with your MAGUIRE representative.
2. Determine cable lengths, allowing for normal routing between loading stations, around obstructions, wire paths, etc.



The Maguire Flexbus loading control system intergrates with the existing range of Maguire conveying equipment, but can readily intergrate with many other manufacturers equipment. This allows users to benefit from the latest controls that utilises the equipment and expand your Maguire Conveying as required.

PRODUCT INFO

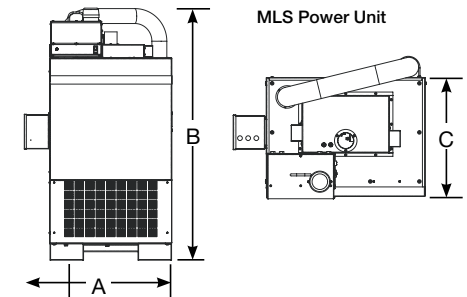


Technical Specification

MLS LOADING SYSTEM

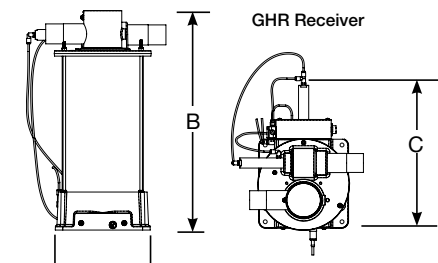
POWER UNITS

MODEL	Hp	kw	A		B		C	
			in.	cm	in.	cm	in.	cm
MLS-180	1	.75	20	51	48	122	23	58
MLS-280	2.5	1.9	20	51	48	122	23	58
MLS-580	5	3.7	20	51	48	122	23	58
MLS-1080	10	7.5	36	91	58	147	23	58



RECEIVERS

MODEL	lb	kg	A		B		C	
			in.	cm	in.	cm	in.	cm
GHR-10	10	4.5	9.375	23.8	21.7	55	18.125	46
GHR-20	20	9	9.375	23.8	35.8	91	18.125	46



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FLEXBUS CONTROL COMPONENTS

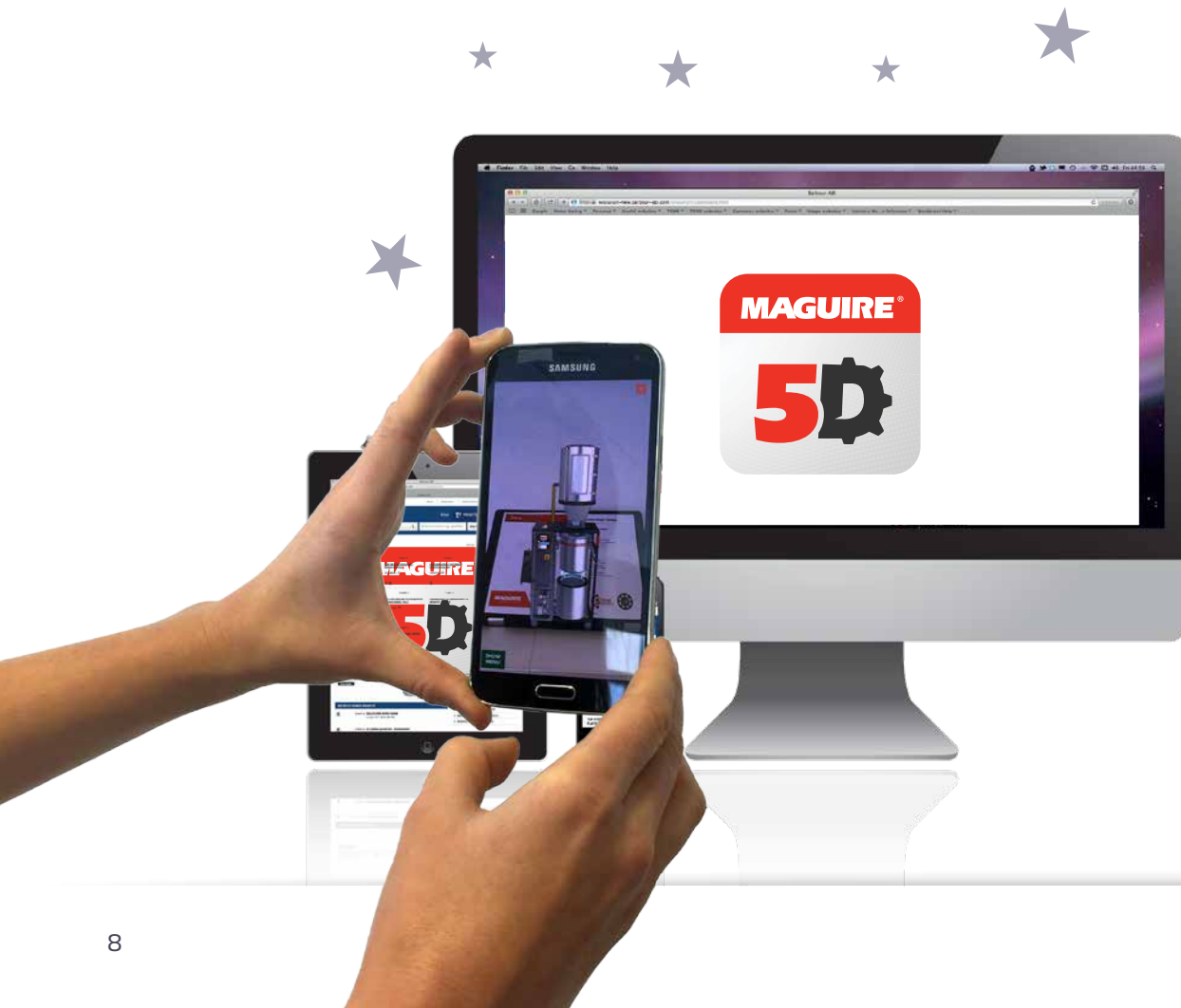
Accessories	Order
Loading Control	
Part # FB-C1 (115 VAC) Part # FB-C2 (230 VAC)	
Operator Interface	
Part # FB-OI	
Pump Control Module	
Part # FB-PC (24 VDC)	One for each vacuum pump
Pump Control Module W/Power Supply	
Part # FB-PCP1 (115 VAC)	
Part # FB-PCP2 (230 VAC)	
Receiver Control Module	
Part # FB-RC (24 VDC)	One for each 24 VDC receiver
Service T, Single Position	
Part # FB-T	CANbus system interconnect
FlexBus Drop	
Part # FB-D	System interconnect for 1 receiver includes 30 foot cable drop with connector
FlexBus Hub	
CANbus system interconnect with 20 foot cable drop	
Part # FB-H2	for 2 receivers
Part # FB-H4	for 4 receivers
Part # FB-H6	for 6 receivers

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Maguire 5D – watch our products come to life

Download our Maguire 5D app and explore our WSB blender, VBD Vacuum Dryer and Liquid Colour products in a more detailed experience. Available at Android and iOS stores – just search for **Maguire 5D**.

For printable targets for these products, refer to our **Maguire 5D** webpage and start exploring NOW: <http://www.maguire.com/page.php/5d.htm>



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