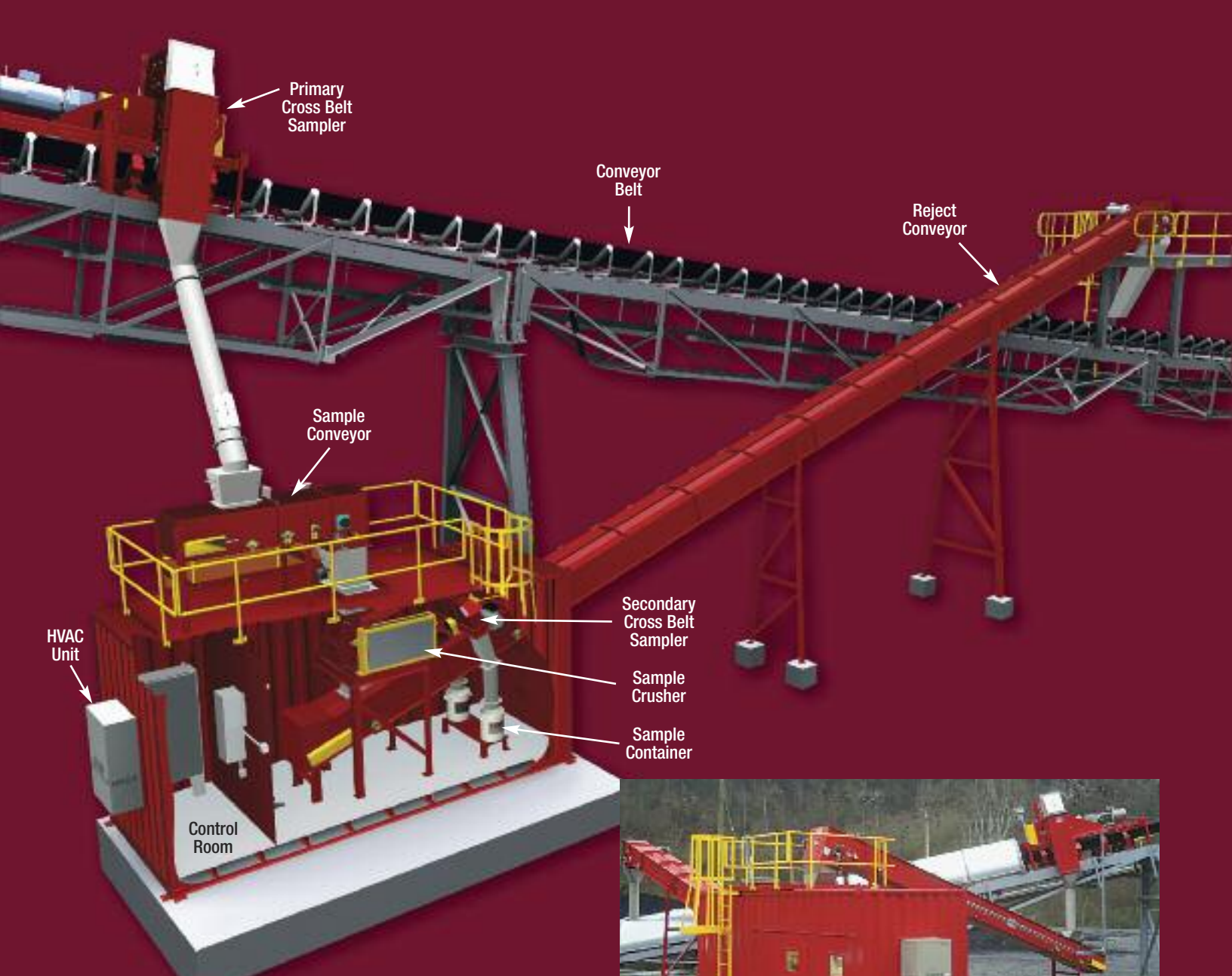


Bulk Material Sampling Solutions



 **McLanahan**[®]
SAMPLING SYSTEMS



Primary Sampling Systems

If you are looking for a sampling system that is accurate, durable and easy to maintain, take a good look at McLanahan's Sampling Systems.

Since 1964, we've been designing reliable sampling systems for coal, coke, copper, precious metals, salt, sand, stone, gravel, iron ore, and other bulk materials. Today, you'll find McLanahan Sampling Systems serving many customers across a wide spectrum of major industries around the world. Our systems are designed in accordance with the latest ASTM and International Standards.



Single, Two, And Three Stage Systems

WE PROVIDE COMPLETE CUSTOM SYSTEM DESIGNS, INCLUDING:

- Primary, secondary and tertiary sampling
 - Auger Sampling
 - Operator or automatically controlled
 - Truck, train and stock pile
 - Fixed or portable structures
- Idlered or Slide Deck Conveyors
- SST, AR or Lined Interconnecting Chutework
- Custom Control Systems

- Module Contains:
- Control Panel
 - Crusher
 - Secondary Sampler
 - Collector
 - Tail End Of Reject Conveyor
 - All Associated Chutework
 - Sample Prep Area
 - Lighting

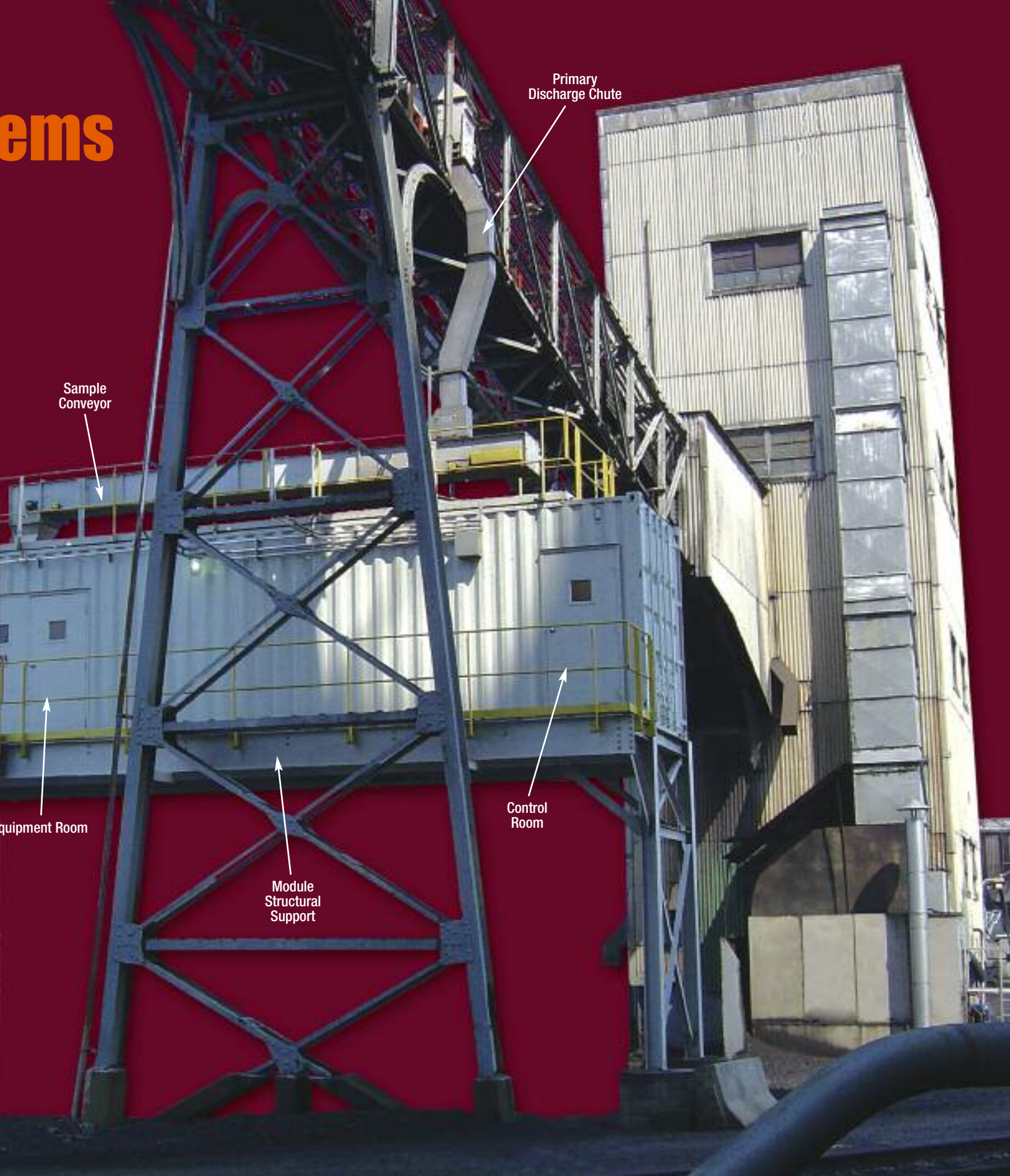
SAMPLER	SWEEP (Cross Belt)		Conventional (Falling Stream)	
Conveyor Belt Width	12" - 96"	300mm-2400mm	12" - 96"	300mm-2400mm
Conveyor Belt Speed	1-1,500 FPM	.01-7.62 m/s	1-1,500 FPM	.01-7.62 m/s
Conveyor Feed Rate	1-8,000 STPH	1-7250 MTPH	1-20,000 STPH	1-18,150 MTPH
Material Top Size	0" - 12" +	0-300 mm +	0" - 12" +	0-300 mm +
Drive Unit (Electric Or Hydraulic)	1-150 HP	1-112 KW	1-40 HP	1-30 KW



Reject Conveyor

Reject Discharge Chute

ems



Primary Discharge Chute

Sample Conveyor

Equipment Room

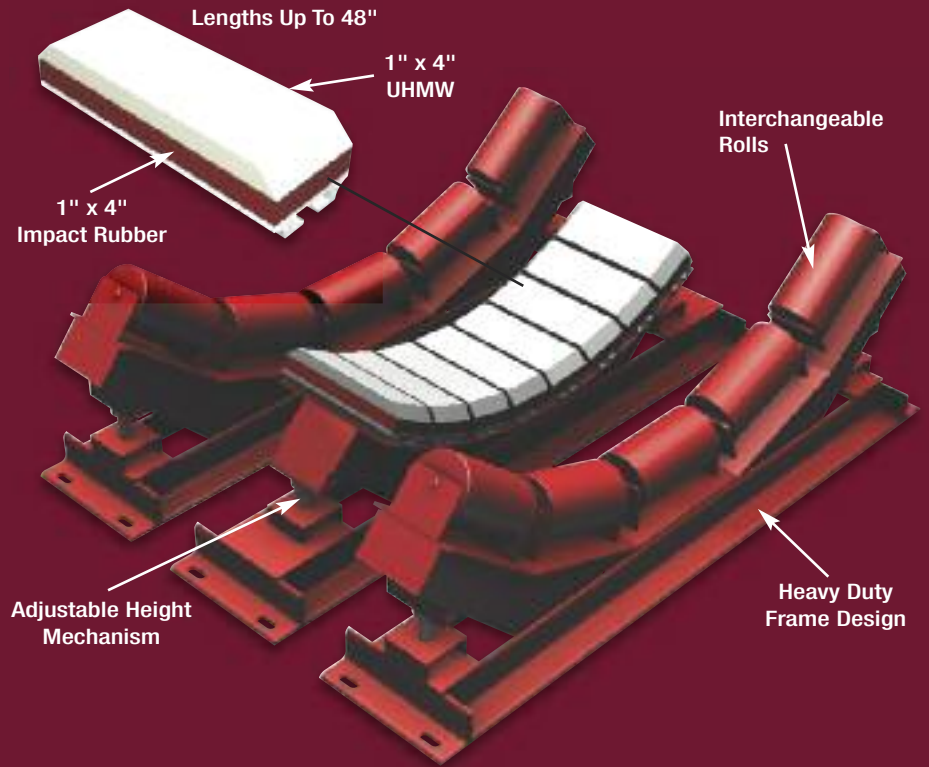
Module Structural Support

Control Room

CUT ZONE SYSTEM

Get precise cuts and better samples with our custom-engineered Cut Zone System. Designed to work with any idler in a new or existing system, our McLanahan Cut Zone can be incorporated into any cross-belt sampler to markedly improve your sample collection's accuracy. It can also be used in load zone applications to prevent the escape of fugitive material.

- Maximizes support in the cross-belt cut zone for precise sample increments
- Enhances conveyor belt profile to match sample cutter arc
- Integral height adjuster for precise calibration during field installation



HAMMERMILL CRUSHER

If your product (such as coal) requires crushing, we can provide the McLanahan Hammermill crusher. This low headroom unit is designed with maintenance and production people in mind. The Hammermill features a hinged end-frame, which allows complete access to the inside of the crusher. This makes it easy to change the screen plate or hammers.

Other features include replaceable side liners, screen plates and impact liner. Hammers and screens are available in a variety of special alloys for extreme duty applications.



LAB MILL CRUSHER

McLanahan's compact Lab Mill Crusher is designed to perform in-depth laboratory analysis. With user safety in mind, the Lab Mill Crusher is self contained and is available in several sizes.

- Safe, ergonomic foot-operated aluminum sample tray
- 0.66 cubic feet (40 lb) capacity hopper
- Fine speed control adjusts material size
- Heavy-duty screen plate crushing deck
- Manual-feed lever, more control
- Safety sensor shut down
- Easily accessible crusher
- Enclosed full guard safety package



CUSTOM DESIGNS

If you have special requirements, we offer complete design services to customize a system that meets your needs.

- Greenfield sites
- Existing conveyor systems
- Modular units



Sample Collectors Have From Two To Sixteen Collection Stations.

FALLING STREAM EQUIPMENT

McLanahan offers a wide range of falling stream style sampling equipment for Primary, Secondary, Tertiary and Quaternary stage sample collection in a variety of industries. Falling stream equipment is available with a standard electro-mechanical drive and other drive configurations, including hydraulic cylinder, ball and screw and electric linear actuators. Designs are available in both vertical and tangential entry configurations for applications up to 20,000 stph (18,150 mtph). We offer custom solutions for all of your sampling requirements. If a standard unit isn't right for your application, please contact us about a falling stream sampler to meet your specific needs.



**CALL McLANAHAN ABOUT
SAVING MONEY AND
INCREASING PRODUCTION!**

Your Authorized Representative:



NORTH AMERICA	CORPORATE OFFICE		
	Pennsylvania, USA	+1 (814) 695 9807	sales@mclanahan.com
	Florida, USA	+1 (863) 667 2090	polymers@mclanahan.com
	Iowa, USA	+1 (319) 365 0441	sales@mclanahan.com
	Tennessee, USA	+1 (615) 451 4440	sales@mclanahan.com
AUSTRALIA	New South Wales	+61 2 4924 8248	sales@mclanahan.com.au
	Queensland	+61 7 3375 4700	sales@mclanahan.com.au
EUROPE	South East England, UK	+44 (0)1420 542489	infoUK@mclanahan.com

mclanahan.com