
GILSON ENGINEERING COAL PREP PLANT PRODUCT GUIDE



[Website: www.gilsoneng.com](http://www.gilsoneng.com)

PITTSBURGH, PA

p (412) 369-0100
f (412) 366-1728

COLUMBUS, OH

p (614) 889-2150
f (614) 889-6038

CLEVELAND, OH

p (440) 543-0300
f (440) 543-1230

CINCINNATI, OH

p 513-313-8533
f (412) 348-3042

CHARLESTON, WV

p (304) 342-0012
f (304) 342-0085

TOLEDO, OH

p (419) 874-1178
f (419) 874-5333

Western Michigan

p 616-890-2158

Eastern Michigan.

p 248-417-1102

ORLANDO, FL

p (407) 444-0334
f (407) 444-0335

TAMPA, FL

p 954-644-9602
f (407)444-0335

MIAMI, FL

p 305-916-0590
f (407)444-0335

JACKSONVILLE, FL

p 904-200-1409
f (407)444-0335

Philadelphia

p (215) 980-0199

New Jersey

“PROCESS MEASUREMENT, CONTROL & AUTOMATION”

Plant Infeed



Belt scales
Conveyor motion detection
Raw coal silo level
Truck dump, crusher, bin levels
Coal Tunnel Gas Monitoring

Siemens-[Milltronics MSI/MMI](#)
Siemens [speed switches](#) and [motion failure alarm](#)
Siemens-[Milltronics LR500 series Radar](#)
Siemens-[Milltronics LUT400](#) ultrasonic
MSA [Ultima X5000](#)

Processing



Magnetite bin level
Media & thickener underflow density
Sump Levels, cyclone pressures
Pressure Gages for Severe Service
Chemical tank level
Froth flotation cell level
Belt press safety light curtains
Lubricant flow monitoring
Bearing vibration and temperature

Siemens Milltronics [LR100](#), [LR560](#) radar
[Ronan X96S Nuclear Density](#)
Siemens [P320 series pressure transmitter](#)
WIKA [Pressure Gages](#)
Siemens Milltronics [LR100 radar](#)
Siemens Milltronics [LR100](#), [LR500 Series radar](#)
Banner Engineering EZ-Screen LS
[UFM \(Universal Flow Monitors\)](#)
[Banner Engineering QM42VT1](#)

Thickener, Clean Coal and Refuse



Thickener pH

Belt scales

Clean coal silo level

Slurry flows

Slurry Pipe Leak Box Fluid Detection

[ECD S80](#) sensors and [T80 transmitters](#)

Siemens [Milltronics MSI/MMI](#)

Siemens-[Milltronics LR50 series radar](#)

Siemens [MagFlo 5100](#) and [3100 series magnetic](#) flowmeters

Siemens-[Milltronics CLS200](#) point level switches

Balance of Plant



Water tank, pond level

pH & ORP measurement

Wireless for remote signals

Signal isolators and splitters

Panel and field-mount indicators

Gas monitoring– Mine Safety Appliance (MSA)

Alarm and Signaling Horns and Lights

Siemens-[Milltronics LR100 radar](#)

[ECD S80 sensors](#) and [T80 transmitters](#)

[Elpro](#), [Banner Engineering](#)

[Moore Industries](#)

[Precision Digital](#)

[X5000](#) single point sensors

[Altair4X](#) portable gas detectors

E2S [horns and lights](#)