



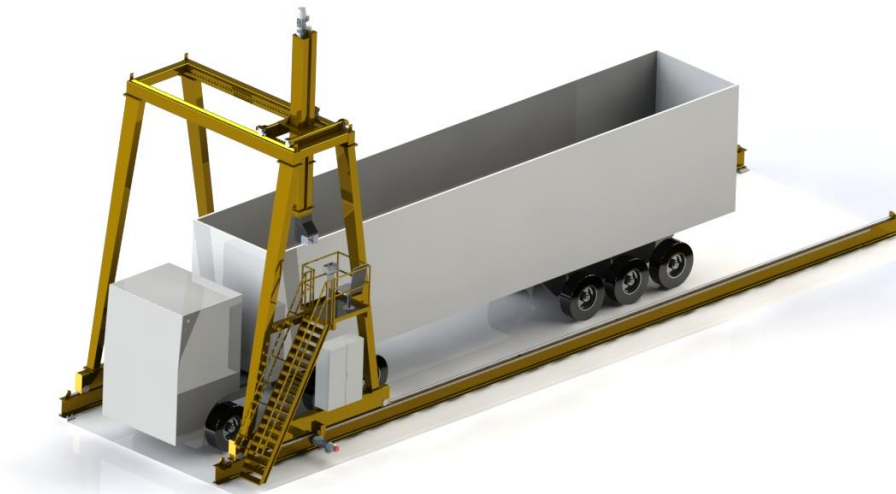
Prometec

Energy
Efficiency
Solutions



DRILL

Truck sampler



Automated Sampler: Transforming Biomass Quality Control

Key Benefits:

- ✓ **Cost Savings:** Save up to 5% on annual fuel costs
- ✓ **Accuracy:** Collects representative samples directly from trucks or trains before unloading, reducing errors in fuel quality determination.
- ✓ **Safety:** Process eliminates manual work in hazardous conditions, enhancing employee safety.
- ✓ **Flexible Sampling Locations:** Sampling station can be placed within the plant or outside the gate.

Key Features:

- ✓ **Representative Sampling:** Allows collecting samples from various depths and locations in the load, compiled into load-specific or daily combined samples.
- ✓ **Standards Compliance:** Works with many types of solid biofuels (P100 and smaller) adhering to global sampling standards.



DRILL

Datasheet

le 1 Technical specification

IP Class Q-Drill	65
Environment class	C4
Operating temperature range Q-Drill	-25 °C ... + 50 °C
Max speed bridge	0.6 m/s
Max acceleration bridge	0.75 m/s ²
Installation length	Track length is customizable
Max speed trolley	0.78 m/s
Max acceleration trolley	0.96 m/s ²
Installation width	5 m
Installation height	10 m
Lifting capacity	1,700 kg
Max feed rate auger	0.13 m/s
Max acceleration auger	0.90 m/s ²
Auger max rotation speed	200 rpm
Stroke length of auger	3 m
Volume of the auger	5 l
Designed sample size distribution class	P100, top nominal size 100mm
Max volume of the collector	5 l
Stroke length	200 mm
Stroke type	Sample collector is manually used
Noise Q-Robot LpAd	68 dB(A) ± 3 dB(A)
Prime mover	Gear motors
Drive	Joystick controls
Nominal Voltage	400 V / 64 A / 50 Hz