



Grain Sampler **BioPro** **GRASYX**



COLLECTION OF THE
SAMPLES OF GRAIN
FROM RAILWAY
WAGONS AND TRUCKS



DOUBLE-SIDED
SAMPLING
FROM TWO
SCALES



LARGE
SAMPLING
AREA



LARGE SAMPLING AREA

The GRASYX sampler is designed in a way that maximizes the size of the sampling area. The total sampling path can be up to 17 m long. The moving arm allows for sampling width of 5 m from each side. It means that samples can be collected from an area of up to 137 m².



POSSIBILITY TO SAMPLE FROM TWO SCALES

The sampler arm can move to both sides of the rail. This is done by merely pushing a single button. The mechanism allows for sampling from both scales installed longitudinally along the sampler.



SAMPLING FROM RAILWAY WAGONS OR TRUCKS WITH TRAILERS

The rail in a combination with rotating arm guarantees sample collection along a length of up to 17 m. It is thus possible to simply collect an arbitrary number of samples from railway wagons and trucks with trailers without the need of moving them.



FAST SAMPLE COLLECTIONS

Thanks to the possibility of simultaneously moving the arm along the main rail and the carriage with the sampling spear along the arm, moving the probe from one position to another is fast and effective.

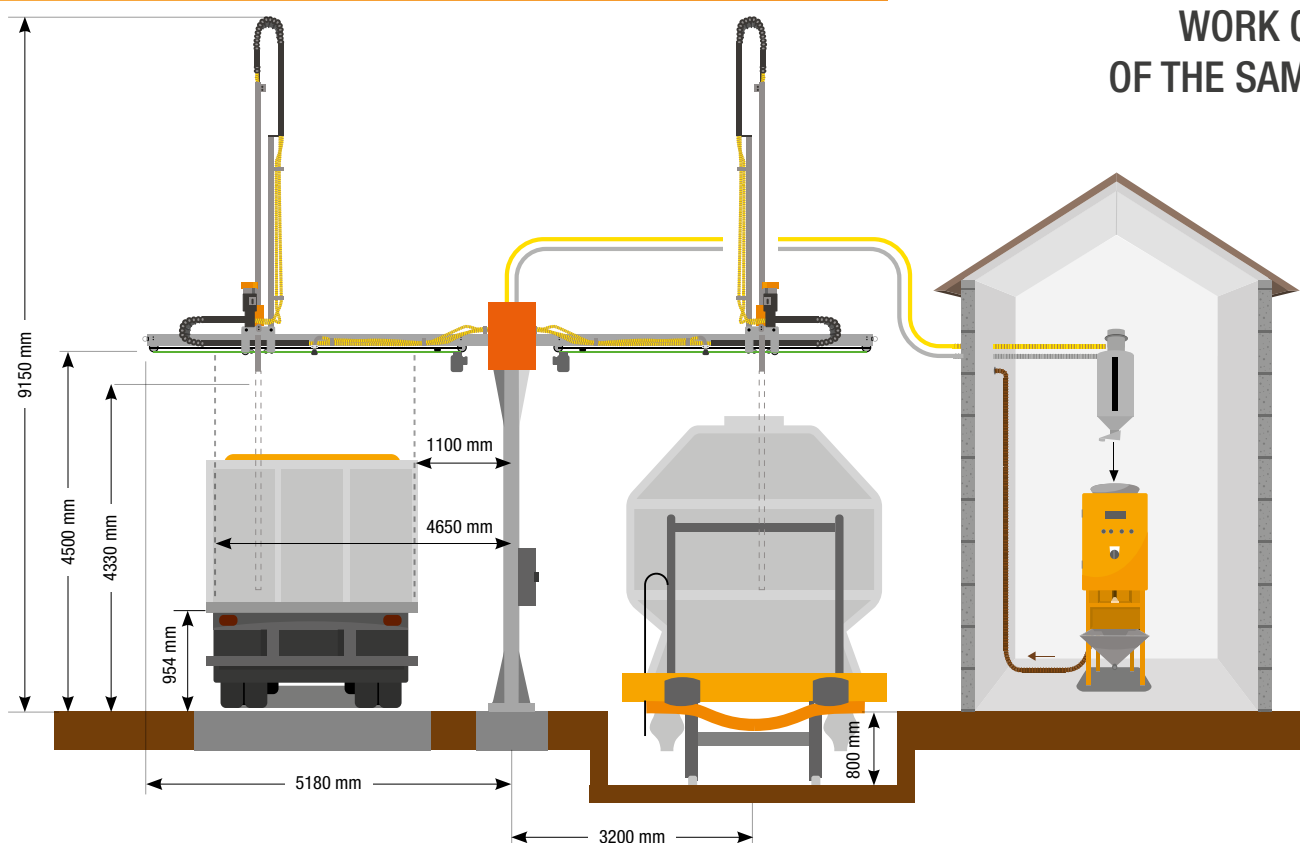


SIMPLE CONTROL

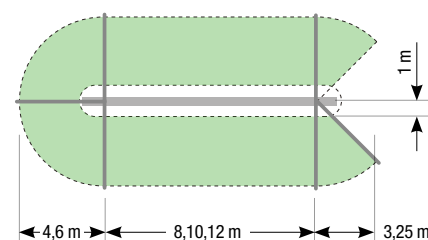
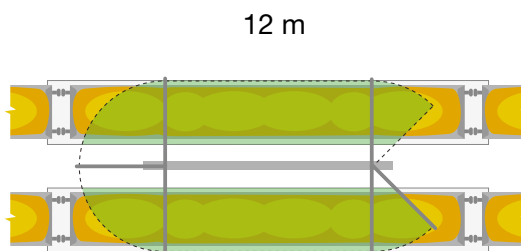
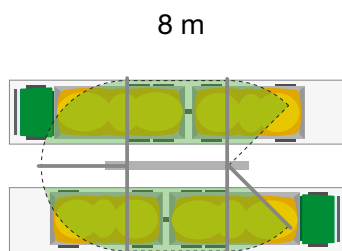
The sampler is controlled using a button-operated remote control. The cameras installed on the sampler allow the operator to properly target a given sampling location even when the view of the sampler itself is limited.



WORK CYCLE OF THE SAMPLER



SAMPLER OPERATION AREA

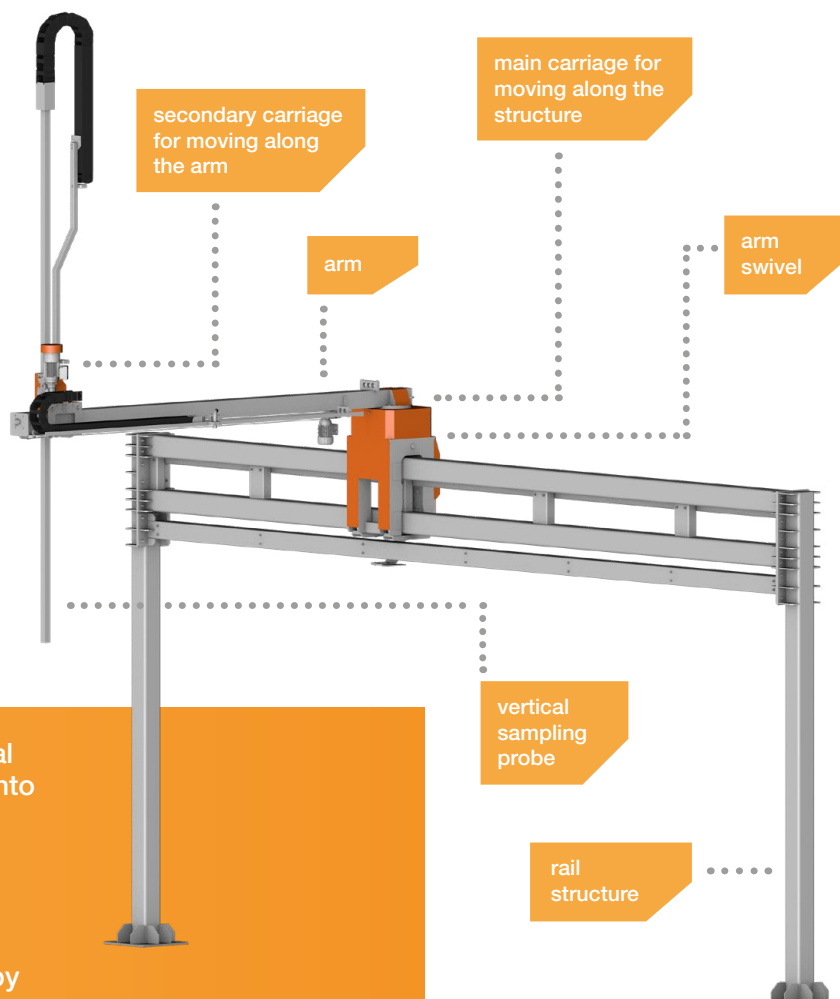


ADVANTAGES

- Suitable for all cereals
- Allows for collecting objective samples pursuant to the corresponding standards, particularly ČSN ISO 24 333
- Based on the given variant, the length of the main rail can be 8, 10 or 12 m
- Precise targeting of the collection spot thanks to the vertical probe (also suitable for sample collections from a tanker)

- Long two-shell probe with an additional injection force executed the injection into the entire height of the mound
- Installation of the hoses in the energy chains allows for their mechanical protection and firm lines
- Option of extend the camera system by additional cameras
- Automatic arm parking
- Automatic arm travel from one scale to the other
- Movement of the main carriage is controlled using a frequency converter, which ensures a smooth movement, and which is furnished with a safety brake
- Individual samples can be transported for a distance of up to 90 m

- The sample divider in the manual or automatic mode ensures homogeneity and proper size of the analyzed sample
- Option to implement analyzers and to create an automated receiving system
- Reverse transport of sample surpluses from the laboratory back onto the vehicle saves cost and time of manipulation with sample surpluses



Two-shell square probe with side fastening on the arm for an easy serviceability



COST SAVINGS

By objective quality control of the purchased materials



TIME SAVINGS

Automatization of the sample collection



QUALITY OVERVIEW

Representative sample of the purchased material



TECHNICAL RELIABILITY

Robust rail with simple maintenance



USING THE SURPLUSES

Return of the sample surpluses using the reverse transport mechanism

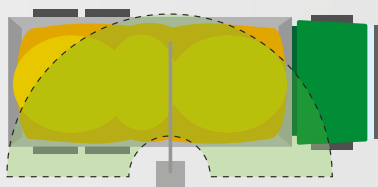
TECHNICAL SPECIFICATION

Total height	9,15 m
Rail length	8/10/12 m
Arm length	5 m
Probe length	4,15 m
Closest sampling point from the structure	1,1 m
Furthest sampling point from the structure	4,65 m
Power supply	3x 400 V / 50 Hz
Power input	4,3 kW
Transport weight	3200 kg
Sampling area	117 m ² /122 m ² /137 m ²
Sampling radius	270 degrees
Angular velocity / arm rotation	180 degrees / 20 s
Operation rotation angle	30 to 330 degrees
Speed of the horizontal movement of the secondary carriage along the arm	0,34 m/s

OTHER MODELS

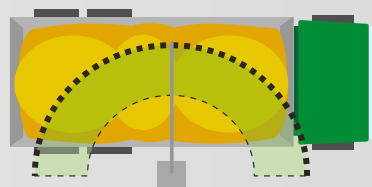
VV06 column sampler

Sampling area of 32,2 m² for the action radius of 180 °



Light-weight SIMPAX column sampler

Sampling along a circle or its part



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ABOUT US

- We deal with the issue of quality control of agricultural commodities since 1990.
- We cooperate with large agricultural enterprises throughout the Czech Republic and abroad.
- We have network of authorized distributors in European countries.
- We produce grain samplers since 1995.
- We are expanding our range of grain sampler models.
- We apply modern technologies and put emphasis on the quality and robustness of our products.