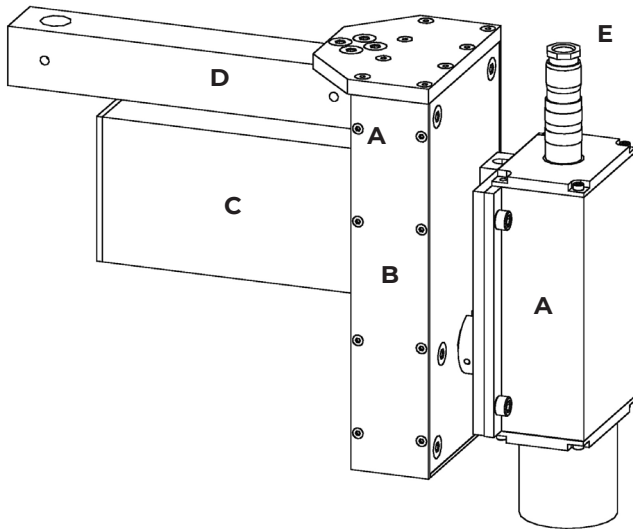


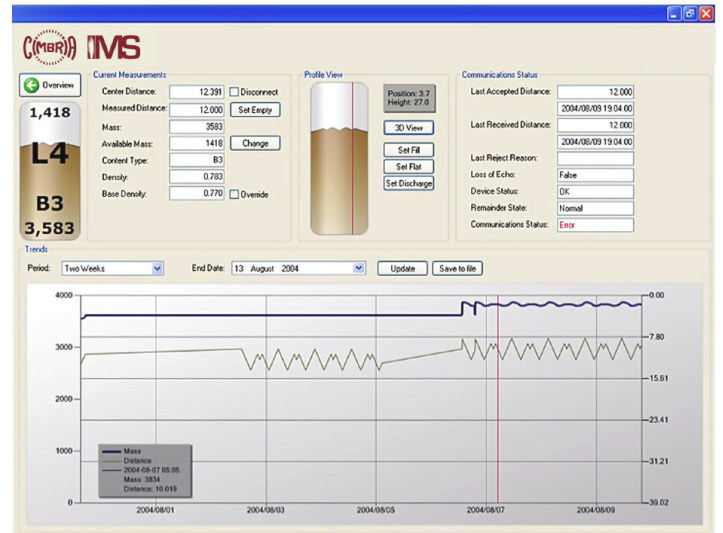
IMS SINGLE AXIS SCANNER

The CIMBRIA Inventory Management System, "IMS", Single Axis scanner is designed for use in silo bins with a diameter of more than 15 m to ensure accurate profile management. It is also ideal to use in silo bins with more than one discharge point.

The Single Axis scanner is just one of various Cimbria IMS solutions for accurate profile management. All the measuring devices report measurements to the operational office where the IMS server correlates physical movements in the bins to actual transaction documentation. All this data is available in the IMS graphical interface.



- A) Laser
- B) Gear housing
- C) Motor housing
- D) Mounting bar
- E) Power and data conduit



IMS Software GUI

LASER

Type	650nm laser diode (Red)
Class	Class 2 Conforming to IEC825-1 / EN60825, Class 2 (FDA21 CFR)
Output power	< 1 mW
Divergence	0.6 mrad
Max. range	50 M (>100 M with reflective target)
Min. range	200 mm
Resolution	1 mm
Supply voltage	1VDC to 30VDC (Reverse polarity protected)
Power usage	<1.5 W
Data interface	RS232 - 9600,8,N,1 (ASCII)
Operating temperature	-10°C to +60°C
Weight	850 g
Protection	IP65

SCANNER

Tilt deflection	170°
Step Resolution	Steps down to 0.3° Software changeable
Connector	Circular type (IP68)
Supply voltage	+24VDC ±10%
Power usage	<85VA
Data interface	RS232 - 9600,8 N, 1
Operational temp.	0°C to +40°C
Weight	3 kg nett
Protection	equ to IP65