AMBERG TECHNOLOGIES

New Amberg Scanners
for Amberg Rail 2.0 and TMS Tunnelscan Applications

Amberg Profiler 5033

The Amberg Profiler 5033 is a high-resolution 3D scanner with high precision and range. The high-speed phase-shift laser scanner can be used with the tunnel-optimized measurement method (Amberg Positioning Method: APM™) or the Amberg Clearance Plus application. Through the compactness and the accuracy precise area-based results for tunnel and railway applications can be generated.

Technical Data
Measurement rate max. 1.016 mio. points/sec
Range 187.3 m
Field-of-view 320° x 360°
Rotation speed max. 50 rps
Operating temperature -10°C to +45°C
Weight 9.8 kg
Laser class 1

TMS Tunnelscan application using Amberg Profiler 5033

GRP 5000 System with Amberg Profiler 5033

New Amberg Scanners

for Amberg Rail 2.0 and TMS Tunnelscan Applications

Amberg Profiler 6012

The Amberg Profiler 6012 is a 2D high-speed scanner, which is ideal for use with Amberg Clearance Plus and the GRP 5000 system. Due to its max. rotation frequency of 200 Hz, it enables a doubling of the previous measurement speed.

Technical Data
Measurement rate max. 1.016 mio. points/sec
Range 119 m
Field-of-view 360°
Rotation speed max. 200 rps
Operating temperature -10°C to +45°C
Weight 13.5 kg

Driving speed	Resolution for 200 Hz / 5'120 Pts (distance 7.5 m)	Resolution for 100 Hz / 10'240 Pts (distance 7.5 m)
1.0 km/h	1.4 mm x 9.2 mm	2.8 mm x 4.6 mm
2.0 km/h	2.8 mm x 9.2 mm	5.6 mm x 4.6 mm
3.0 km/h	4.2 mm x 9.2 mm	8.3 mm x 4.6 mm
4.0 km/h	5.6 mm x 9.2 mm	11.1 mm x 4.6 mm

GRP 5000 System with Amberg Profiler 6012

Amberg Technologies AG
Trockenloostrasse 21
CH-8105 Regensdorf
Switzerland

Phone +41 44 870 92 22
Fax +41 44 870 06 18
info@amberg.ch
www.amberg.ch/at

AMBERG TECHNOLOGIES

09.2012 / Images, descriptions and technical data are non-binding. All rights reserved to make changes. © 2012 Amberg Technologies AG