

# Application Note – AN-1401

## Pinovo® Systems – Operating Range

Pinovo® closed loop grit blasting provides superior surface quality, reduced health and safety hazards, and zero spills to the environment. The powerful vacuum sources included in the PiSys™ closed loop grit blasting and recycling units allows for a long operating distance and, hence, high quality remote area surface preparation. Besides lateral distance, coping with height differences can be challenging. Pinovo® closed loop grit blasting has been tested successfully for use with height differences up to 30 m and lateral distances up to 50 m.

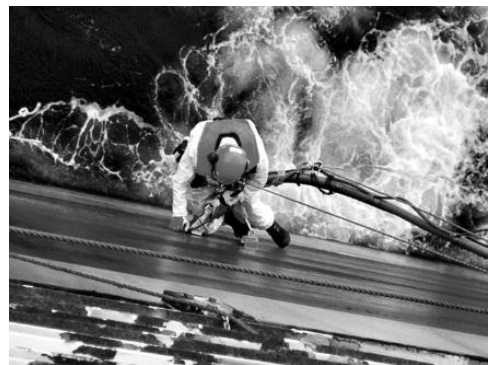
This application note shall provide recommendations for successful execution of Pinovo® closed loop grit blasting projects including significant height differences between the location of the PiSys™ and the actual surface treatment site.

Efficient closed loop grit blasting depends on a variety of parameters. Especially, suction pressure losses may negatively affect the system performance. The following recommendations should be followed:

- Use suction hoses and transitions according to Pinovo® hose configuration.
- Minimize total suction hose length.
- Avoid inclined hoses. Keep hoses horizontal and vertical.
- Reduce number of bends to a minimum. Avoid sharp bends.
- Make sure that the PiSys™ filter is clean, as dirty filters result in reduced suction.

Moreover, both suction and blast hoses should be drained completely from grit and debris after closed loop grit blasting. The default settings of the PiSys™ will normally ensure trouble-free operation. For very challenging jobs, an extension of the suction delay of the PiSys™ and/or a separate control of the grit flow may be necessary. Contact your local Pinovo representative for assistance.

Furthermore, all relevant safety rules for working at heights, falling objects, and/or lifting operations must be followed at all time.



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