



# DET NORSKE VERITAS

## TYPE EXAMINATION CERTIFICATE

- [2] **EQUIPMENT INTENDED FOR USE IN POTENTIALLY EXPLOSIVE ATMOSPHERES DIRECTIVE 94/9/EC**
- [3] Type Examination Certificate Number: **DNV 11 ATEX 95169X**
- [4] Equipment: **Vacuum Blast Equipment**
- [5] Applicant – Manufacturer or Authorized representative: **Pinovo AS**
- [6] Address: **Bekkjarviksundet 1  
NO - 5397 Bekkjarvik  
Norway**
- [7] This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV certifies that this equipment has been found to comply with the Essential Health and Safety requirements that relate to the design of Category 2 equipment, which is intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential reports listed in section 14.
- [9] Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule of this certificate, has been assessed by reference to:  
**EN 13463-1: 2009 and EN 13463-5: 2003**
- [10] If the sign "X" is placed after the certificate number, it indicates that the equipment is subject to special conditions for safe use specified in the schedule to this certificate.
- [11] This TYPE EXAMINATION CERTIFICATE relates only to the design, examinations and tests of the specified equipment. If applicable, further requirements of this Directive may apply to the manufacturing process and supply of this equipment. These are not covered by this certificate.
- [12] The marking of the equipment shall include the following:

 **II 2 Gc IIA T4**    **+2°C ≤ Ta ≤ +50°C**

Høvik, 2011-04-04  
for Det Norske Veritas AS

  
**Marianne Spæren**  
Certification Manager



Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.  
The digitally signed and electronically distributed document is the original and valid certificate. Ref.: [www.dnv.com/digitalsignatures](http://www.dnv.com/digitalsignatures)

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 300,000. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



[13]

## Schedule

[14] **TYPE EXAMINATION CERTIFICATE No.:** DNV 11 ATEX 95169X

### Certificate History

Revision	Description	Report no.	Issue date
-	Original certificate	2011-3158	2011-04-04

[15] **Description of Equipment:**

Dust free blast machine designed for the surface treatment of pipes with that is fully pneumatic system with no electrical parts. The machine consists of a portable frame on which the blast pot with pre-separator and vacuum source are mounted. Also included are a moisture separator, pressure regulator and pneumatic deadmans control.

### Type Identification Blast Machines

Pisys-S-100 (picolo)

Pisys-S-1000

### Type Identification Blasting Heads

PiBlaster

PicoPipe

PicoMidi

PiWalk

[16] **Project No:** PRJC-299737-2011-PRC-NOR

### Descriptive documents

Number	Title	Rev.	Date	
91H.11.016	ATEX System General Arrangement	00	2011-03-30	
91.H.11.001	PiSys 1000 Atex, installation procedure	38 pages	00	2011-04-01
91.H.11.002	Pinovo as ATEX, Parts List: PiSys 1000	3 pages	00	2011-03-31
91.H.11.003	Pinovo Atex Grit Blasting Systems PiAtex Installatin procedure for PiSys 100	31 pages	00	2011-04-01
91.H.11.004	Pinovo as ATEX, Parts List: PiSys 100	3 pages	00	2011-03-31

[17] **Special conditions for safe use**

- Only to be used by trained personnel.
- Maximum work pressure of 6 bar where blast media and compressed air are mixed together.
- The equipment must be properly earthed/grounded before use.
- The equipment shall only be used with blasting grits  $\leq$  NK 12.

[18] **Essential Health and Safety Requirements**

See part 9 of this certificate

END OF CERTIFICATE

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# DET NORSKE VERITAS

## ACKNOWLEDGEMENT OF RECEIPT - EC

ACKNOWLEDGEMENT NO. 1927-2012-CE-NOR

This Acknowledgement consists of 2 pages

*This is to confirm that the Technical File for the following product(s):*

**Vacuum Sand Blaster System**

*with type designation(s)*

**See page 2**

*Manufactured by*  
**Pinovo AS**  
**Sanddalsringen 3**  
**5225 Bergen**  
**Norway**

*has been received and stored according to*

the conformity assessment procedure described in Article 8.1.(b).(ii), of Council Directive 94/9/EC (ATEX) of 23 March 1994, category 2 non-electrical equipment.

*Further details are given overleaf.*

*Place and date*  
**Høvik, 2012-09-27**  
*for* **DET NORSKE VERITAS AS**

Digitally signed by Knudsen, Haakon  
DN: cn=Knudsen, Haakon,  
email=Haakon.Knudsen@presafe.com  
Date: 2012.09.27 15:14:25 +0200



*This Acknowledgement is valid until*  
**2015-09-27**

**Haakon Knudsen**  
*Certification Manager*

*Notice: The acknowledgement is subject to terms and conditions overleaf. Any significant changes in design or construction may render this acknowledgement invalid. The digitally signed and electronically distributed document is the original and valid acknowledgement. Ref.: [www.dnv.com/digitalsignatures](http://www.dnv.com/digitalsignatures)*

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Ack. No.: 1927-2012-CE-NOR  
Project No.: PRJC-416898-2012-PRC-NOR

### Jurisdiction

DNV is appointed by the Directorate for Civil Protection and Emergency Planning as Notified Body (No. 0575) under the terms of the Norwegian regulation "Forskrift om utstyr og sikkerhetssystem til bruk i eksplosjonsfarlig område", dated 1996-12-09 and Article 9 of Council Directive 94/9/EC (ATEX), as amended.

**Acknowledgement history:** This is the original Acknowledgement.

### Product description

The following types are covered by the Acknowledgement:

Product Description	Type Designations	Category	Product Group	Product Sub Group
Vacuum Sand Blaster System	PiSys 100 R 1.0, PiSys 1000 R 1.0, PiConnect R 1.0, PiWalk R 1.0, PiPoint R 1.0	2	Ex equipment	Non-electrical

### Technical documentation:

The following documentation has been received and stored:

Document No	Document Name
GexCon-12-F44242-RA-4	Technical file

### Terms and conditions

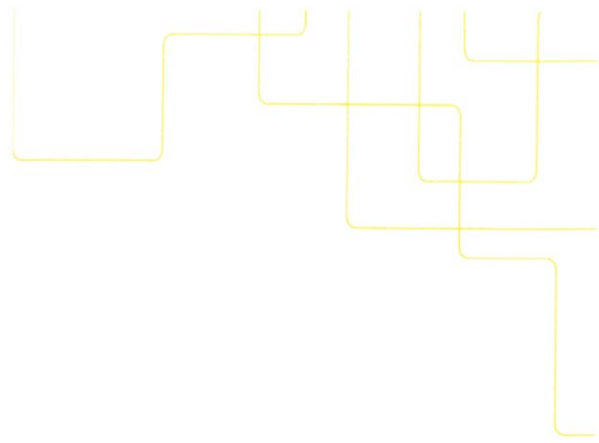
The product liability rests with the manufacturer, his representative or, in the absence of a representative, the importer, in accordance with the General Product Safety Directive 2001/95/EC  
The following conditions may render this acknowledgement invalid:

- Changes in the design or construction of the product.
- Changes or amendments to the referenced directive(s).
- Changes or amendments in the standards which form the basis for documenting compliance with the essential requirements of the directive(s).

### Conformity declaration and marking of product

In order to fully meet with the requirements of the Directive and legally affix the CE mark, the manufacturer must take all measures necessary to ensure that the manufactured product comply with the technical documentation and with the requirements of the Directive and finally draw up an EC declaration of conformity.

**END OF ACKNOWLEDGEMENT**



## EC DECLARATION OF CONFORMITY

In accordance with ATEX Guidelines third edition

Pinovo AS Declares That:

Description: Dust free blast machine designed for surface treatment that is fully pneumatic system with no electric parts. The machine consists of a portable frame (PiSys 100 or PiSys 1000) on which the blast pot with pre-seperator and vacuum source are mounted and different blasting heads (PiConnect, PiWalk PiPoint).

The assembly consists of the following components:

Type Identification	Classification:
PiSys 100 R 1.0	II 2G IIA T6
PiSys 1000 R 1.0	II 2G IIA T6
PiConnect R 1.0	II 2G IIA T4
PiWalk R 1.0	II 2G IIA T4
PiPoint R 1.0	II 2G IIA T5

Classification:   II 2G IIA T4

A copy of the technical file for this assembly is held by DNV.

Is in accordance with the following directives:

94/9/EC: Conforms with the Essential Health and Safety Requirements of the Equipment in Explosive Atmospheres (ATEX) directive  
2006/42/EC Conforms to the Essential Health and Safety Requirements of the Equipment of the Machinery Directive

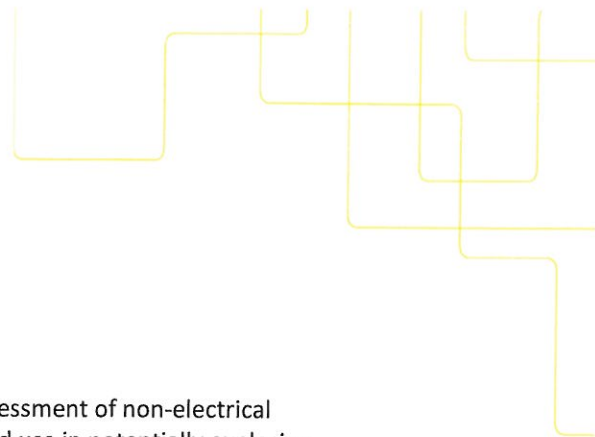
And has been designed and manufactured to the relevant parts of the following Harmonized Standards:

EN 1127-1:2011 Explosive atmospheres- Explosion prevention and protection – Part 1 Basic concepts and methodology  
EN 13237: 2003 Potentially explosive atmospheres – Terms and definitions for equipment and protective systems intended for use in potentially explosive atmospheres  
EN 13463-1:2009 Non-electrical equipment for use in potentially explosive atmospheres – part 1: Basic concepts and requirements

**BERGEN – BEKKJARVIK - ABERDEEN - HOUSTON**

PINOVO BERGEN - Sanddalsringen 3 - 5225 Nesttun - Norway  
Telephone +47 907 55 500 – FAX +47 917 55 500





EN 15198:2007 Methodology for the ignition hazard assessment of non-electrical equipment and components for intended use in potentially explosive atmospheres

2006/42/EC The objects of the declaration described above is in conformity with the relevant Community harmonization legislation and produced in accordance to the requirements in and regulations on machinery amended by Directive 2006/42/EC of the European parliament and of the council of 17<sup>nd</sup> May 2006

**Special conditions for safe use**

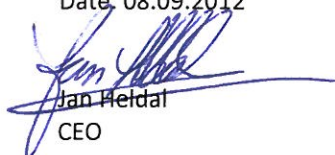
1. No unauthorized modifications to be carried out without the express permission of Pinovo AS as this may invalidate the ATEX conformity
2. The unit must be effectively grounded to the structure for the installation
3. The accompanying instructions contain important information for the installation, operation and maintenance of the system and must be adhered to.

I hereby declare that the Equipment named above has been manufactured and tested and found to comply with the relevant sections of the above referenced directives and standards

**Pinovo AS empowered person**

Name	Surname	Position
Jan	Heldal	CEO
Knut	Kjeilen	VP HR & QA

Signed for and on behalf of Pinovo AS  
Date: 08.09.2012



Jan Heldal  
CEO



Knut Kjeilen  
VP HR & QA