1 # EU - TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

3	EU - Type Examination Certificate Number:	**Baseefa18ATEX0082X**
4	Product:	**924ex Static Eliminator Bar**
5	Manufacturer:	**Meech Static Eliminators Limited**
6	Address:	**Range Road, Witney, Oxfordshire, OX29 0YN**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **16(C)0194**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

See report 16(C)0194.

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following :

Ex II 2G IIC T4 Gb (Ta = -20°C to +38°C)

SGS Baseefa Customer Reference No. **1402** Project File No. **16/0194**

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pp M Powney
M POWNEY
Certification Manager

R S SINCLAIR
TECHNICAL MANAGER
On behalf of SGS Baseefa Limited

13 # Schedule

14 ## Certificate Number Baseefa18ATEX0082X

15 Description of Product

The 924ex Static Eliminator Bar is designed to neutralise the charge on any material that is passed in front of it.

It is to be powered by a Meech 233v4HL Pulsed DC Controller that can produce a maximum peak voltage of 5.5kV. Optionally, a Meech Hyperion BarMaster or SmartControl may also be present.

The bar comprises an encapsulated thermoplastic extruded moulding with protruding emitter pins along one surface. High voltage resistors inside the potting limit the discharge from the emitter pins to safe levels.

The ends of the bar are closed off with covers which on one end provide an entry for the supply cable which is protected from damage by flexible conduit.

The length of the bar may be modified to suit particular applications up to a maximum of 4000mm.

16 Report Number

16(C)0194

17 Specific Conditions of Use

1. If there is any damage to the web or material that is being neutralised by the static eliminator bar, then the bar must be checked for damage and relevant maintenance or replacement of the bar carried out.
2. The equipment may not be used in association with dusts having an electrical resistance equal to or less than $10^3\Omega$.m.
3. The Meech 924EX static eliminator bar shall be supplied only by the Meech 233v4HL Pulsed DC Controller that is set to produce 5.5kV peak maximum.
4. The equipment must be installed so that it is shielded from UV light.
5. The equipment must be installed in a manner that provides complete protection against impact.
6. The user must determine, in consultation with the manufacturer, the suitability of the apparatus for use with particular solvents.
7. The plastic case presents a potential static discharge risk and while in a hazardous area must be cleaned only with a damp cloth.

18 Essential Health and Safety Requirements

The Essential Health and Safety Requirements (EHSRs) are addressed directly in the report.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
A924EX-____-01-BAS-01	1 & 2	13	09/10/2018	924EX drawing for Baseefa EX sign off
C2388	1	1	07/08/2018	924EX M12x1.5 Tapped End Cap
C2816	1	2	13/04/2018	80MΩ Resistor (Single)
D2387	1	1	07/08/2018	924EX Blank End Cap
D2417	1	-	07/08/2018	924EX Extrusion
WI-A924EX- Potting	1 to 5	1	25/09/18	Potting procedure for 924 EX