

(1) **EU-Unit Verification Certificate**
(2) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**

Directive 2014/34/EU

(3) EU – Type Examination Certificate Number: **IEP 21 ATEX 0912X**

(4) Product: **TDDM-01 Type, Hydraulic Tank drilling and threading machine**

Serial Number: **TR-1250-21**

(5) Firm Name: **TORA Petrol Ürünleri Mühendislik Elektrik Elektronik San. Tic. A.Ş.**

(6) Firm Address: **15 Temmuz Mah. 1468. Sok. No: 5 Güneşli İSTANBUL – TURKEY**

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

(8) The IEP Uluslararası Enerji Petrol Gözetim, Sertifikasyon ve Teknik Hizmetler Organizasyonu Tic. Ltd. Sti., notified body number 2284 in accordance with Article 17 of the Directive 2014/34/EU of 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 Nr: IEP.Rp.Ex.10-1882 date 15.03.2021.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with ;

EN ISO 80079-36:2016, EN ISO 80079-37:2016

(10) If the sign “ X “ is placed after the certificate number, it indicates that the product is subject to Specified Conditions of Safe Use specified in the schedule to this certificate.

(11) This EU- EU-Unit Verification Certificate relates only to the design and construction of the specified product in accordance to the directive 2014/34/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

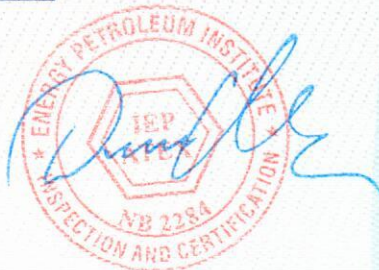
(12) The marking of the equipment or protective system shall include the following:



II ½ G Ex h IIA T(120 °C Max) Ga/Gb

Responsible Person :

Nurettin Terzioglu
Head of Certification Body



Date of Issue : 16.03.2021





IEP ENERGY PETROLEUM INSTITUTE

(13) Schedule

(14) Certificate Nr : **IEP 21 ATEX 0912X**

(15) Description of Equipment:

TDDM-01 Type , Hydraulic Tank drilling and threading machine is made of hose and coupling, valve, movement slide, rail, sleeve, cutter blade, hydraulic motor and fittings, movement arm, shaft and connection parts.

This machine is used for to drilling and threading fuel tanks. (Benzine, Fuel-oil and so on)

The machine works with a hydraulic system. In addition, nitrogen gas is used for explosive gas inerting.

TDDM-01 Type Hydraulic Tank drilling and threading is used as 0 and 1 that be used danger area determined in the EN 60079-10-1 standard.

User manually and service information are available at 32 page and 25.11.2020.

Hydraulic Tank drilling and threading technical sheets:

Type	TDDM-01
Serial Number	TR-1250-21
Rotation speed (Max)	50 rpm. Min ⁻¹
Nitrogen pressure (Max)	1 bar
Hydraulic oil pressure(Max)	200 Bar
Drilling length	20 mm
Drilling temperature (Max)	T(120 °C)
Operating Temperature	-20 °C ~ +80 °C

(IEP 21 ATEX 0912X)X means: Periodic inspection and maintenance should be done by authorized personnel according to the user manual and related standards. Its assembly and revision must be done by authorized personnel. In case of revision, it should be re-evaluated.

(16) Special conditions for safe use: The installation and the operation of the Hydraulic Tank drilling and threading have to confirm to the relevant national regulations.

(17) Essential Health and Safety Requirements: This certificate is included in the standards specified in item (9). The products were approved in accordance with above mentioned standards and manufacturer's instruction.

Responsible Person :

Nurettin Terzioğlu
Head of Certification Body





IEP ENERGY PETROLEUM INSTITUTE

(18) Certificate Nr : IEP 21 ATEX 0912X

(19) List of Drawings;

Drawing Number;	Date;
TDDM.04	02.03.2020
TDDM.01.001	02.03.2020
TDDM.01.002	02.03.2020
TDDM.01.003	02.03.2020
TDDM.01.004	02.03.2020
TDDM.01.005	02.03.2020
TDDM.01.006	02.03.2020
TDDM.01.007	02.03.2020
TDDM.01.008	02.03.2020
TDDM.01.009	02.03.2020
TDDM.01.010	02.03.2020
TDDM.01.011	02.03.2020
TDDM.01.012	02.03.2020
TDDM.01.013	02.03.2020
TDDM.01.014	02.03.2020
TDDM.01.015	02.03.2020
TDDM.01.017	02.03.2020
TDDM.01.018	02.03.2020
TDDM.01.019	02.03.2020
TDDM.01.020	02.03.2020
TDDM.01.021	02.03.2020
TDDM.01.02	30.09.2020
TDDM.01.01	30.09.2020

Risk assessment report , 21 pages and dated 23.09.2020

Heat test report, 2 pages and dated 15.05.2020

Declaration of conformity, dated 13.01.2021

Parts that are used is hydraulic tank drilling and threading machine indicated in the unit and technical specifications part list item Nr 2.5, 2 pages dated 23.09.2020. In case of revision, the certificate becomes invalid.

Responsible Person :
Nurettin Terzioğlu
Head of Certification Body



Date of issue : 16.03.2021

