



PRODUCT CERTIFICATION  
BODY

**CEPROM<sup>®</sup> S.A.**

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# CERTIFICATE OF CONFORMITY

No. 3832-CI-32025

Technical File no. 3832-CI-32025

<b>Applicant:</b> <b>SHREE ENGINEERING SERVICE</b> 524 Samriddhi Business Hub, NR. S.P. Ring Road Naroda-Dehgam Road, Naroda, Ahmedabad, Gujarat - 382330, India	<b>Manufacturer:</b> <b>SHREE ENGINEERING SERVICE</b> Plot No. 7, Swagat Industrial Park -2, Nr. Bhavda Patiya, Village KUHA, Tal. Daskroi, Dist. Ahmedabad - 382433, India
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## Description of product:

Product type: **VACUUM TRAY DRYER**

Models: **VTD-6, VTD-12, VTD-18, VTD-24, VTD-36, VTD-48**

Reference standards: **EN ISO 12100:2010, EN60204-1:2018, EN ISO 4414:2010**

Based on our assessment we confirm that the product is in accordance with the technical requirements of the above standards and hence fulfils the technical requirements of the

**Machinery Directive 2006/42/EC**

The manufacturer shall affix the CE marking to each product that is in conformity with those described in this Certificate, after completion of the EC Declaration of Conformity and in accordance with the above directive.

The manufacturer must ensure the assessment of conformity with internal controls on the manufacture of the above product, in accordance with Annex VIII of 2006/42/EC Directive;

The assessment activity for the product described in this Certificate of Conformity was carried out in compliance with Scheme 1a, cf. EN ISO/IEC 17067:2013 with Assessment Report and doesn't belong to the products listed in Annex IV of 2006/42/EC Directive which is under harmonised European Union product legislation.

This Certificate of Conformity was issued on voluntary basis of manufacturer and is only valid for the product and configuration described (annex), in conjunction with the detailed test data and with all applicable legal requirement for the product.

**Annex: Product identification – 3 pages**

**Issuing Date: 14.01.2025**  
**Expiry Date: 13.01.2030**



EUROPEAN UNION  
Satu Mare, ROMANIA

**GENERAL MANAGER**  
*eng. Cristian SOPONOS*



**CEPROM-CERT Manager**  
*eng. Vasile ZELE*

E.S.

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This Certificate of Conformity is valid only if it is published on the site [www.ceprom.ro](http://www.ceprom.ro)



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ANNEX

to the Certificate of Conformity no. 3832-CI-32025

PRODUCT IDENTIFICATION

- The Product:** *VACUUM TRAY DRYER*
- \*models: *VTD-6, VTD-12, VTD-18, VTD-24, VTD-36, VTD-48*
- \*manufactured by: *SHREE ENGINEERING SERVICE*
- \*headquarters address: *524 Samriddhi Business Hub, NR. S.P. Ring Road Naroda-Dehgam Road, Naroda, Ahmedabad, Gujarat - 382330, India.*
- \*place of manufacture: *Plot No. 7, Swagat Industrial Park -2, Nr. Bhavda Patiya, Village KUHA, Tal. Daskroi, Dist. Ahmedabad - 382433, India.*
- \*domain of use: *Vacuum Tray Dryer is designed to dry the product @ low temperature; hence it is ideal for any crystalline, fragile and granular product.*
- \***Technical File content:**
- *General description of the machinery;*
  - *Specification with the constructive and functional characteristics;*
  - *General drawing and drawings of the control circuits;*
  - *The list of standards used;*
  - *Assessment Report;*
  - *Test Report;*
  - *EC declaration of conformity of the components incorporated into the machinery;*
  - *Instruction manual;*
  - *EC Declaration of conformity*

CEPROM-CERT Manager  
eng. Vasile ZELE





**PRODUCT IDENTIFICATION**

**The Product:** *VACUUM TRAY DRYER*

\*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>VTD-6</i>	<i>VTD-12</i>	<i>VTD-18</i>
<i>Power supply</i>	<i>Vac</i>	<i>415 ±10%</i>		
<i>Frequency</i>	<i>Hz</i>	<i>50 ±3%</i>		
<i>Electrical load</i>	-	<i>15kW, 3-Phase+N+PE</i>	<i>18kW, 3-Phase+N+PE</i>	<i>3kW, 3-Phase+N+PE</i>
<i>Charge Batch capacity</i>	<i>kg</i>	<i>12(Min.)/18(Max.)</i>	<i>24(Min.)/36(Max.)</i>	<i>36 (Min.)/54 (Max.)</i>
<i>Loading per tray - Approx.</i>	<i>kg</i>	<i>2.0(Min)/3.0 Max.)</i>		
<i>No. of Trays</i>	<i>No.</i>	<i>6</i>	<i>12</i>	<i>18</i>
<i>No. of Shelves</i>	<i>No.</i>	<i>3 +1=4</i>	<i>6 +1=7</i>	<i>9 +1=10</i>
<i>Heat Transfer Area</i>	-	<i>HTA of trays is approx. 1.98 M2</i>	<i>HTA of trays is approx. 3.96 M2</i>	<i>HTA of trays is approx. 5.93 M2</i>
<i>Heating Media</i>	-	<i>Hot water</i>		
<i>Vacuum Chamber - Inside</i>	<i>mm</i>	<i>900*900*550</i>	<i>900*900*750</i>	<i>900*900*1050</i>
<i>Vacuum Shelves</i>	<i>mm</i>	<i>825 x 825 x 23</i>	<i>825 x 825 x 23</i>	<i>825 x 825 x 23</i>
<i>Operating Temperature</i>				
<i>Chamber</i>	<i>°C</i>	<i>85 (max.)</i>		
<i>Heating Shelves</i>	<i>°C</i>	<i>90 (max.)</i>		
<i>Chamber Stiffners</i>	<i>°C</i>	<i>90 (max.)</i>		
<i>Operating Pressure</i>				
<i>Chamber</i>	<i>kg/cm<sup>2</sup></i>	<i>(-) 1 to ATM</i>		
<i>Heating Shelves</i>	<i>kg/cm<sup>2</sup></i>	<i>2.5 or Equivalent to Pump Head</i>		
<i>Chamber Stiffners</i>	<i>kg/cm<sup>2</sup></i>	<i>2.5 or Equivalent to Pump Head</i>		

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**PRODUCT IDENTIFICATION**

**The Product:** *VACUUM TRAY DRYER*

\*constructive and functional characteristics:

<i>Model</i>	<i>M.U.</i>	<i>VTD-24</i>	<i>VTD-36</i>	<i>VTD-48</i>
<i>Power supply</i>	<i>Vac</i>	<i>415 ±10%</i>		
<i>Frequency</i>	<i>Hz</i>	<i>50 ±3%</i>		
<i>Electrical load</i>	-	<i>3kW, 3-Phase+N+PE</i>	<i>4.5 kW, 3-Phase+N+PE</i>	<i>4.5kW, 3-Phase+N+PE</i>
<i>Charge Batch capacity</i>	<i>kg</i>	<i>48(Min.)/72(Max.)</i>	<i>72 (Min.)/108(Max.)</i>	<i>96 (Min.)/144(Max.)</i>
<i>Loading per tray - Approx.</i>	<i>kg</i>	<i>2.0(Min)/3.0 Max.)</i>		
<i>No. of Trays</i>	<i>No.</i>	<i>24</i>	<i>36</i>	<i>48</i>
<i>No. of Shelves</i>	<i>No.</i>	<i>8 +1=9</i>	<i>12 +1=13</i>	<i>16 +1=17</i>
<i>Heat Transfer Area</i>	-	<i>HTA of trays is approx. 7.91 m<sup>2</sup></i>	<i>HTA of trays is approx. 11.87 m<sup>2</sup></i>	<i>HTA of trays is approx. 15.82 m<sup>2</sup></i>
<i>Heating Media</i>	-	<i>Hot water</i>		
<i>Vacuum Chamber - Inside</i>	<i>mm</i>	<i>900*1290 * 1050</i>	<i>900*1290 * 1350</i>	<i>900*1290 * 1750</i>
<i>Vacuum Shelves</i>	<i>mm</i>	<i>825 x 1225 x 27</i>	<i>825 x 1225 x 27</i>	<i>825 x 1225 x 27</i>
<i>Operating Temperature</i>				
<i>Chamber</i>	<i>°C</i>	<i>85 (max.)</i>		
<i>Heating Shelves</i>	<i>°C</i>	<i>90 (max.)</i>		
<i>Chamber Stiffners</i>	<i>°C</i>	<i>90 (max.)</i>		
<i>Operating Pressure</i>				
<i>Chamber</i>	<i>kg/cm<sup>2</sup></i>	<i>(-) 1 to ATM</i>		
<i>Heating Shelves</i>	<i>kg/cm<sup>2</sup></i>	<i>2.5 or Equivalent to Pump Head</i>		
<i>Chamber Stiffners</i>	<i>kg/cm<sup>2</sup></i>	<i>2.5 or Equivalent to Pump Head</i>		

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