BRAND INDIA ENGINEERING
E-CATALOGUE

Date: 20-07-2025

Roto Pumps Limited

13 Roto House Noida Special Economic Zone Noida 201305, U.P. INDIA
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PIN - 201305

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Roto's state-of-the-art manufacturing facility covers a combined factory area of 20,000 sq. meters. With 'Creative Manufacturing Engineering' as core strength, Roto's plant operates using several efficient manufacturing process innovations in the crucial areas of metal & elastomer processing - handing Roto and its customers the critical edge in cost & performance. Roto has recently completely transformed its testing infrastructure. Conforming to international standards, Roto's ultra modern pump test facility with sophisticated data acquisition systems empowers “Real-Time Globally Accessible Data”. Where required, Roto tests pumps using customer's fluids enabling specialized customized pumping solutions. Roto's manufacturing units are certified for conformance with the ISO 9001-2008 quality surveillance systems, ISO 14001 and OHSAS 18001 (Occupation, Health, Safety & Environment) certifications. “Innovation for increased customer value” has been the driving force behind the innovation centre at Roto. For over four decades, continuous research and development has helped resolve some of the world's toughest pumping problems - in a more effective and cost effective manner. With its strong team of technical experts, the Global Innovation & Research Center at Noida, addresses issues that are top-of-the-mind for customers.

Products Description

PROGRESSIVE CAVITY RANGE OF PUMPS

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Technical Details	Progressive Cavity Pumping Principle The pumping element comprises of a precision machined single external helix metallic rotor, and a double internal helix elastomer stator. Due to the special profile of the rotor and stator set, a sealing line is formed along the axis of the rotor which is maintained at both static and dynamic conditions. As the rotor turns within the stator, these cavities progress from the suction to the discharge end of the pump carrying the fluid.
ITC HS Code	841360
Certification Category	Product Standard
Certification/ Standard	CE
Issuing Agency	MSA
Date of Issue	01-05-2015
Date of Expiry	30-04-2018
Certificate Image	---
End Use Sectors	Agricultural Products, Food Products, Basic Chemicals, Textiles, Paper & Paper Products, Basic Chemicals, Water, Sewage & Effluent Treatment, Oil & Gas,
Product Images	

Twin Screw Range of Pumps

Technical Details	The working principle of Roto gear timed Dual-Flow Twin Screw Pumps is dependent on the rotation of two screw spindles in closed compartment. Wherein a predefined clearance is maintained between the screw spindles as well as between the outside diameter of the screw spindles and the bore of the casing/liner in which the screw spindles are located. Each half of the screw spindles is left-handed and right-handed. Thus when the spindles start rotating, driven by a pair of timinggears located at the end of the screw spindles, the liquid is drawn towards the end of the screw spindles and entrapped between the bore of the pumping compartment as well as the flanks of the screws and is then propelled axially from both the ends towards the centre. Such a dual flow nullifies the axial thrust completely thereby enabling the screw spindles to remain in a state of hydraulic balance. Roto's unique double profile of the screw spindles contributes to a higher volumetric efficiency, thus an improved overall efficiency.
ITC HS Code	841360

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Certificate Image	

Certificate

Registration Number: IndE-120534

MSA Certification hereby certify that the Technical Documentation for the products

PROGRESSIVE CAVITY PUMP & TWIN SCREW PUMP

(Further description of the products covered by this certificate are given in the Annexure attached)

Manufactured By:

Roto Pumps Ltd.

B-15, Phase - II Extension, Noida – 201305 Uttar Pradesh, India

found to comply, with the requirements of Machinery Directive 2006/42/EC

The technical documentation / inspection / test results comply with the requirements of NS EN 953, ISO 12100-1, ISO 12100-2, ISO 14121, EN ISO 13857 & EN 809 Hence, the manufacturer has issued a Declaration of Conformity according to Annexure VII of Machinery Directive 2006/42/EC and places the CE marking with his own responsibility as follows:

CE

Initial Certificate Date 01 May 2015

Re-certification Date 30 April 2018

Scheme Manager

website: http://www.msacertification.com

e-mail: msa@msacertification.com

➢ Certification validity subjected to next Revalidation / Surveillance on or before 30th April 2016

Certificate

Registration Number: IndE-120534

Annexure to original certificate

Roto Pumps Ltd.

Location 1 : B-15, Phase - II Extension, Noida – 201305 Uttar Pradesh, India

Location 2 : Roto House, Noida Special Economic Zone, Noida– 201305 Uttar Pradesh, India

DETAILS OF PRODUCTS COVERED UNDER SCOPE OF CERTIFICATION

Product / Device Name	Details / Particulars
PROGRESSIVE CAVITY PUMP	D, M, L, & J Series
TWIN SCREW PUMP	R, V, C, M, N Series

Initial Certificate Date 01 May 2015

Re-certification Date 30 April 2018

Scheme Manager

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End Use Sectors	
Product Images	

Sectors of Interest	Agricultural Products, Food Products, Basic Chemicals, Textiles, Paper & Paper Products, Basic Chemicals, Water, Sewage & Effluent Treatment, Oil & Gas, Sugar and Marine.
Is OEM Supplier?	Indigenous **Remarks :** OEM Supplier
Is After Sales Service Provider?	Yes
Importance of niche products	
Potential market of niche products	

BRAND INDIA ENGINEERING
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Product Supply Record

Patented Technologies

Awards/Accolades