

Three Screw pump



“RMTHS Series”

Rotomake Three Screw Pumps are designed for highly efficient, pulse- free, and quiet transfer of clean, lubricating liquids. Using a precision- engineered three- screw mechanism, these pumps provide smooth flow, high pressure capability, and long service life, making them ideal for industrial, hydraulic, and lubrication applications.

At Rotomake Engineering International, our three screw pumps are manufactured using high- grade alloy steel screws, close- tolerance machining, and robust housings to ensure exceptional reliability in demanding operating conditions.

Key Features:

- Smooth, pulseless flow with minimal noise
- High pressure and high temperature handling capability
- Excellent for clean, non-abrasive, and lubricating fluids
- Self-priming with low NPSH requirements
- High volumetric efficiency and long service intervals
- Compact design with easy maintenance

Three Screw Pump – Technical Chart

Model	Flow Rate (LPH)	Pressure (Bar)	Viscosity Range (cSt)	Temperature (°C)	Speed (RPM)
RMTHS-3S-01	500–1500	10–20	10–1500	0–120	1450
RMTHS-3S-02	1500–3000	10–25	10–1500	0–120	1450
RMTHS-3S-03	3000–6000	10–30	10–2000	0–150	1450
RMTHS-3S-04	6000–10000	10–35	10–2500	0–150	960–1450
RMTHS-3S-05	10000– 15000	10–40	10–3000	0–180	960

Applications:

- Hydraulic systems
- Lubrication oil transfer
- Fuel oil supply
- Gear oil and lube oil circulation
- Marine, power plants, and industrial machinery
- Low- viscosity clean liquids

Rotomake Three Screw Pumps deliver reliable, consistent, and efficient performance, making them a trusted choice for process and industrial applications worldwide.