

TWIN Screw pump



“RMTS Series”

Rotomake Twin Screw Pumps are engineered for reliable, smooth, and pulse-free transfer of a wide range of viscous, abrasive, and shear-sensitive fluids. Designed with advanced screw technology, these pumps ensure high efficiency, low noise, and long operational life, making them ideal for industrial, chemical, food, and process applications.

At Rotomake Engineering International, our twin screw pumps are manufactured with precision using high-grade materials and modern machining technology. Each pump is built to perform under demanding conditions while maintaining product integrity and consistent flow characteristics.

Technical Chart

Model	Flow (m ³ /hr)	Pressure (bar)	Viscosity cP	Screw Material	Casing Material	Speed (rpm)	Temp (°C)
RMTS-10	0.1 – 5	10	1 – 200,000	SS 316L/316/CI/WCB	SS 316L/316/CI/WCB	50 – 3600	-20 to 120
RMTS-25	1 – 15	10 – 16	1 – 300,000	SS 316L/316/CI/WCB	SS 316L/316/CI/WCB	50 – 3600	-20 to 140
RMTS-50	5 – 35	16	10 – 500,000	SS 316L/316/CI/WCB	SS 316L/316/CI/WCB	50 – 3000	-20 to 160
RMTS-100	10 – 70	16 – 20	10 – 600,000	SS 316L/316/CI/WCB	SS 316L/316/CI/WCB	50 – 2500	-20 to 160
RMTS-150	20 – 120	20	50 – 800,000	SS 316L/316/CI/WCB	SS 316L/316/CI/WCB	50 – 2000	-20 to 180

Key Features

- Non-contacting screw design
- Handles liquids with solids, gas, foam
- Suitable for CIP/SIP at high RPM
- Bidirectional flow
- Low pulsation – ideal for metering and hygienic processes
- Operates over a wide viscosity range (1 cP – 1,000,000 cP)
- Dry running capability (short duration)

Applications:

- Chemical transfer
- Oil & Gas
- Food & Beverage (dairy, chocolate, syrups, edible oils)
- Pharma and cosmetics
- Viscous liquids, slurries, and semi-solid media

Rotomake delivers equipment engineered for performance, durability, and efficiency—ensuring dependable operation across industries.