Mechanical booster pumping systems are able to operate at higher capacities and lower pressures than stand-alone roughing/backing pumps. The Tuthill KDS dry pump offers faster pump down times at atmosphere than any other pump on the market today; it is manufactured in the same facility as our M-D Boosters using the ISO 9001 process.

Innovation is an integral part of our 100-year history. Kinney was the first to introduce the rotary vacuum pump, produce a full line of rotary piston vacuum pumps, use booster pumps to help vacuum systems produce lower vacuum levels and higher capacities and to design and build a three-piston rotary piston vacuum pump.
For more than 100 years the KINNEY® brand from Tuthill Vacuum & Blower Systems has led the way with vacuum pump technology. Long known for their remarkable durability, KINNEY vacuum pumps have a reputation that precedes them. Now another quality product has evolved from the KINNEY family, the Kinney Dry Screw vacuum pump. The revolutionary US-MADE oil-free KDS series vacuum pump has again raised the bar for industrial and process applications. The KDS is a cantilever design using twin vertical intermeshing screws to create vacuum.

**FEATURES INCLUDE:**

**INDUSTRY LEADING PERFORMANCE NEAR ATMOSPHERE**
Results in faster pump down times that reduce batch times and roughing for leak detection.

**TOP DOWN VERTICAL FLOW**
Results in gravity aiding continued movement of particulate and condensate to the exhaust of the pump and away from the rotor chamber.

**NO EXTERNAL SEALS**
Results in no oil mess on the shop floor from leaking drive shaft seals and no downtime to service leaky seals.

**SERVICEABLE SCREWS**
Rotors are not only replaceable; they can be replaced without moving the machine and at a fraction of the cost of the pump.

**EASY TO CLEAN AND MAINTAIN**
Designed with in-place service in mind. In the event of process upset, the rotors are accessible with common hand tools where the machine sits and no parts are required to clean the rotor chamber. When interval maintenance is needed, it can be done without factory assistance.

**OPTIONAL ACCESSORIES**
- Start/Stop Purge Gas Kit
- Seal Purge Gas Kit
- Silencer (Recommended) Carbon Steel or 304 Stainless Steel
- Process Coatings
- Motors Available to Meet Class I, Div I, Group C&D, & ATEX Exd Zones 1 & 2, Groups IIA & IIB, T4

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**KDS210 PERFORMANCE CURVE**

- Inlet Flow (ACFM)
- Inlet Pressure Torr

**KDS425 PERFORMANCE CURVE**

- Inlet Flow (ACFM)
- Inlet Pressure Torr

**SPECSIFICATIONS**

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*Noise level with optional silencer
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Tuthill Vacuum & Blower Systems is a leading manufacturer of Kinney® vacuum pumps, vacuum boosters, engineered systems and M-D Pneumatics® rotary lobe blowers and blower packages. Tuthill provides a complete line of Kinney® vacuum products including rotary piston pumps, liquid ring pumps, dry screw pumps, rotary vane pumps and vacuum boosters. In addition, vacuum pumps can be incorporated into complete engineered systems based on application requirements.

Innovation is an integral part of our 100-year history. Kinney was the first to introduce the rotary vacuum pump, produce a full line of rotary piston vacuum pumps, use booster pumps to help vacuum systems produce lower vacuum levels and higher capacities and to design and build a three-piston rotary piston vacuum pump.