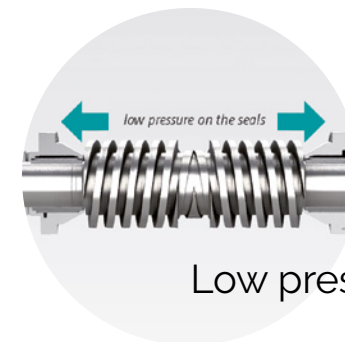
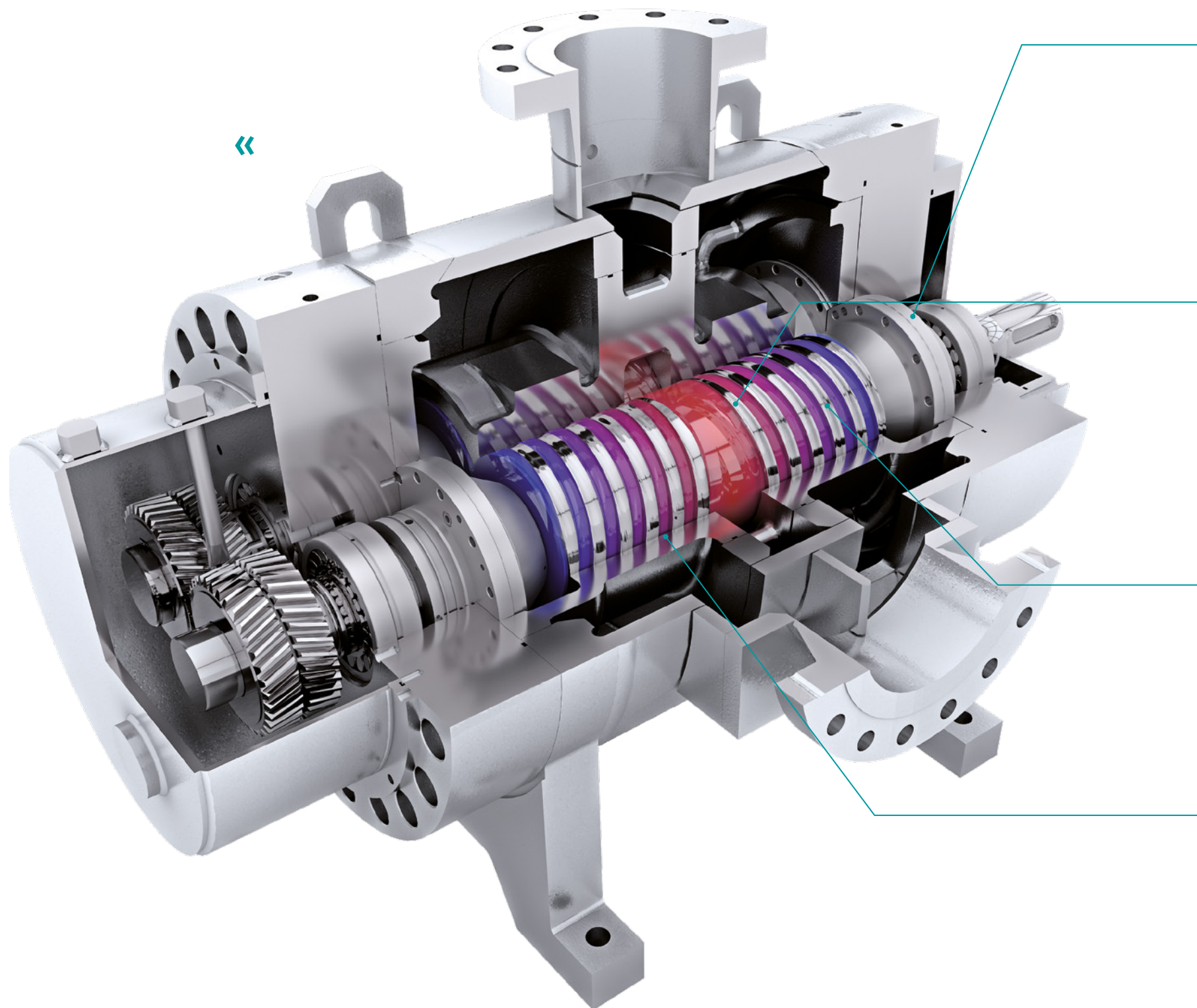


PUMP TECHNOLOGY

L4 PUMPS

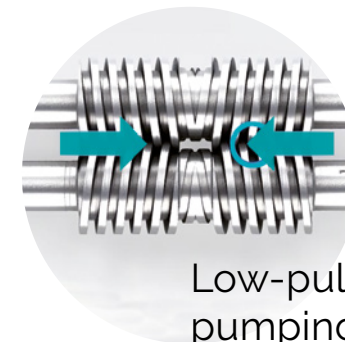
L4 SCREW PUMP

Superior technology & intelligent design

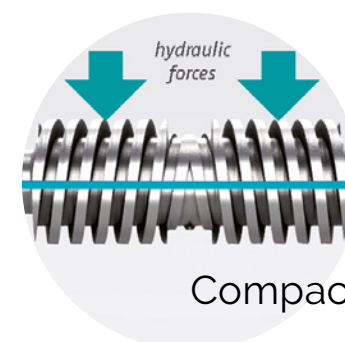


Low pressure on seals

long service life

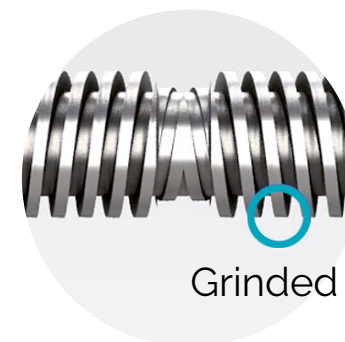


Low-pulsation
pumping of the fluid



Compact design

minimum shaft deflection



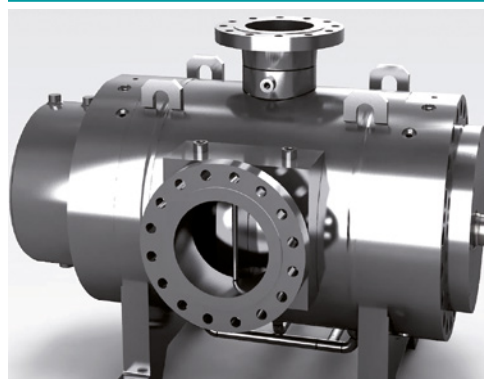
Grinded and hardened profile

high quality

L4 PUMPS

TECHNICAL FEATURES

PUMP CASING



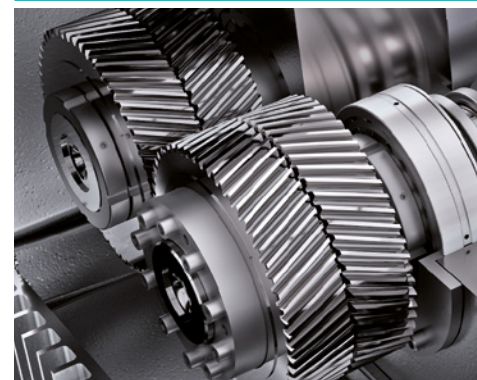
- Welded design with materials from carbon steel to stainless steel and up to duplex steel
- Casted design with materials from grey cast iron to nodular cast iron and up to cast steel
- Economic and slim design for reduced weight
- ANSI & DIN flanges possible
- Various flange sizes and positions
- Drain and vent connections

SPINDLES



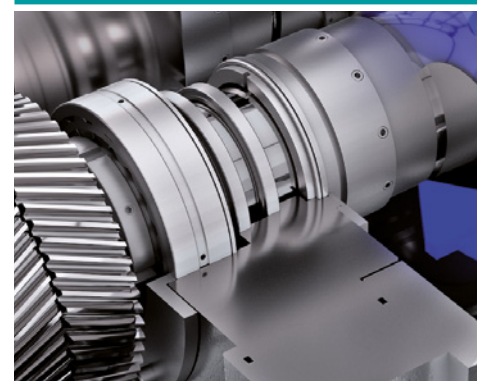
- Single bar stock for maximum stiffness
- Case-hardened steel (1.7139), nitrided for max. hardness
- Tungsten carbide or stellite coating available for high wear resistance
- Side by side arrangement for excellent lubrication capabilities of spindle, bearings and seals
- Smooth running with reduced bearing load

TIMING GEARS



- External double helical gear for efficient power transmission
- Oil lubricated by internal or external circulation
- Oil cooling if required
- Smooth running

MECHANICAL SEAL



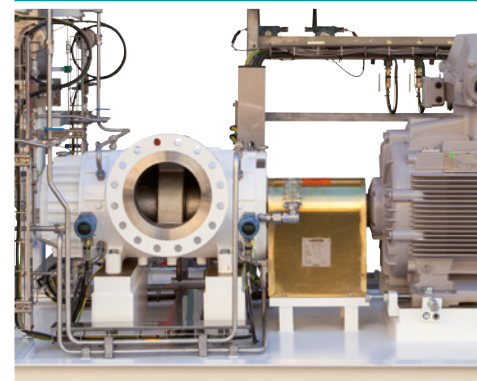
- Seal design acc. to API 682
- Installation in suction area
- Unbalanced or balanced design
- Single acting mechanical seal
- Double acting mechanical seal with seal supply system acc. to API

BEARINGS



- Self-aligning roller bearings on DE and NDE side
- Oil lubricated bearings (and gear) as an API 676 demand for better lubrication of the shaft seals
- External lube oil cooler and systems for special applications possible

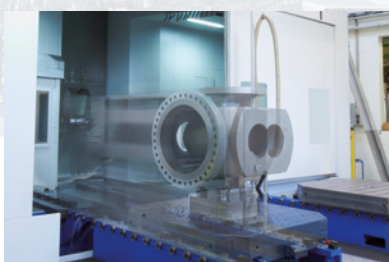
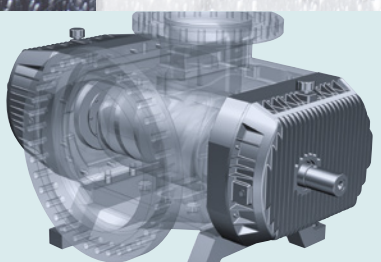
INSTALLATION / DRIVE



Delivery of complete skids incl.:

- Common baseplate
- Electric motors, hydraulic motors or combustion engines
- Flexible spacer type couplings
- Variable speed drive
- Instrumentation

MANUFACTURING KNOW-HOW

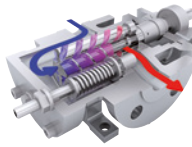
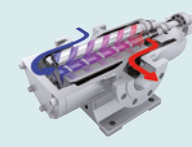
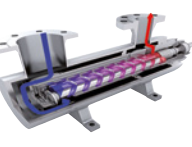
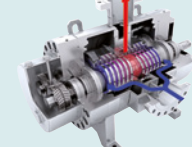
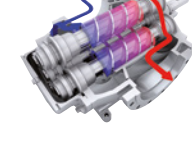


Rising demands on pump manufacturers regarding wear protection, service life or flow rate require the use of state-of-the-art machine technology and process chains that are ideally coordinated with one another. These are the prerequisites to facilitate the high-quality manufacturing of pump components.

To accomplish this high standard, we produce the screws and housings, i.e. the core elements of the Leistritz pumps, ourselves in Germany - under the aspect of the ultimate precision and with a high level of production knowledge vertical integration.

This is particularly due to the symbiosis of the various products of the Leistritz Group in the form of superior materials know-how and in-house metal processing technologies, such as whirling. In addition to our numerous machines, it is particularly our team that convinces our customers with its well-founded expertise and extensive manufacturing know-how.

PUMP RANGE

SERIES	USE FOR	PUMP TYPE	PERFORMANCE DATA			
			Flow rate	Pressure	Viscosity	Temperature
L2N	Low pressure duty, suitable for transport of slightly abrasive and corrosive, high or low viscous fluids with poor or good lubricity.		900 m³/h 3,960 GPM	16 bar 232 psi	100,000 cSt	280°C 536°F
L3N	Low pressure duty, suitable for transport of non-abrasive lubricating fluids.		700 m³/h 3,100 GPM	16 bar 232 psi	15,000 cSt	180°C 356°F
L3M	Medium pressure duty, suitable for transport of non-abrasive lubricating fluids.		300 m³/h 1,320 GPM	80 bar 1,160 psi	10,000 cSt	280°C 536°F
L3H L3V L3U	High and ultra high pressure duty, suitable for transport of non-abrasive, slightly abrasive and corrosive, high or low viscous fluids with poor or good lubricity.		200 m³/h 880 GPM	280 bar 4,060 psi	10,000 cSt	280°C 536°F
L4N L4M L4H	Low, medium and high pressure duty, suitable for transport of abrasive/non-abrasive, corrosive/non-corrosive, lubricating/non-lubricating, high or low viscous fluids.		5,000 m³/h 22,000 GPM	150 bar 2,175 psi	150,000 cSt	350°C 662°F
L5N	Low pressure duty, suitable for transport of slightly abrasive and corrosive, high or low viscous fluids with poor or good lubricity.		1,700 m³/h 7,500 GPM	10 bar 145 psi	100,000 cSt	280°C 536°F