Experts in industrial pumping technology for many years, LEROY-SOMER offers, in addition to its drive ranges, extensive industrial pump ranges.

The PV and PIV ranges are multistage centrifugal pumps, with a submersible hydraulic unit, specially designed for machine-tools applications: washing, cooling, circulation, transfer, electro-erosion, lubrication, filtration, etc.

LEROY-SOMER has designed these ranges around fundamental options which mean that an optimum product can be offered to suit every situation:

- **Standardisation**: The dimensions of the fixing flanges and the submersible heads comply with standard DIN 5440/NFE 44.301.

- **Priming**: The suction capacity has been increased for improved priming. Only 10 mm of liquid above the suction inlet filter are needed for PV 4 types.

- **Modularity**: Several submersible heads can be used on the same pump.
 Compatibility with the pumped liquid: The hydraulic components can be adapted to pump aggressive liquids at high temperature.

 Adaptation of the motor type: Electronized motors, water-cooled motors, cast iron motors for harsh atmospheres, safety motors, special voltages, etc.

In variable speed applications, PV - PIV pumps can be combined with LEROY-SOMER DIGIDRIVE SK and PROXIDRIVE drives, and also with the VARMECA integrated variable speed motor. Thus, by limiting electricity consumption to what is strictly needed for the application, substantial energy savings can be made.

Designed to pump clear or slightly contaminated liquids up to 110°, the PV - PIV pumps are ideal for the special liquids used in machine-tool applications (glycol water, deionized water, etc.) in ambient temperatures between –10° and + 70°.

Conforming to the main European and international standards, the PV - PIV pumps are easily interchangeable with the main brands of installed pumps and are quick and easy to assemble, limiting process downtime.

By having control over both the design and manufacture of the hydraulic components, motors and control electronics, LEROY-SOMER guarantees the performance and reliability of its PV - PIV ranges.

 Main characteristics:

- Flow rate: Q: Up to 16 m³/hr
- TML: 300 MHW