TURGO-TURBINE
Efficient, scalable, flexible turbine
Flow: 0.04-1.25 m$^3$/s | Head: 25m-110 m | Power: 1-500 kW

The Turgo-Turbine combines a custom machined runner and optimized nozzles to deliver high efficiency and precise control for medium and high head sites.

Why the Rickly Turgo-Turbine?
EFFICIENT
The Turgo-Turbine uses precision machined components for the nozzle, spear, spoon, and runner to create efficient transfer of power from water to the generator.

SCALABLE
Rickly Turgo turbines offer performance over a wide range of flow and heads. Our in-house capability of machining, casting, and welding all within our ISO-9001 compliant facility allows us to build custom components to match to the flow and head of your site.

FLEXIBLE
Rickly Turgo turbines use 1-4 precision pneumatic or hydraulicaly acuated spear valves to adjust to variation in flow or head. This allows the systems to operate in dynamic environments.
Davidson Small Hydro

Border Hydro, a systems integrator, used our stainless steel Turgo turbine and custom manufactured spear valve to generate 20 kW at a small hydro facility in the UK.

Key Features

The control system is purpose built for speed control and generator protection. The spear and nozzles are precision machined for efficiency and control.