

INDUSTRY NEWS



Why hydraulic chucks are more sustainable!

The UNIQ hydraulic chuck has at least a ten-times longer tool life than a shrink chuck and promises reliable machining results. They can also be reconditioned. If installation parts are replaced during servicing and the hydraulic oil is refilled, the chucks run like new again and are ready for another full tool life.

Shrink chuck clamps approximately 500 cycles, the UNIQ hydraulic chuck reach 10,000 to 15,000 cycles! Hydraulic chucks are higher priced but they actually pay for themselves.

Shrink chucks clamp tools by heating and cooling the connection which leads to fatigue and lessens clamping power, run-out and rigidity keep deteriorating from the first use as well. Clamping with oil reduces microvibration resulting in improved tool life and surface quality. Hydraulic chucks generate better surface finish over the entire tool life.

The comparison result is clear. If you want to manufacture responsibly, consider switching to hydraulic clamping technology.



More Energy Efficient!

Hydraulic clamping is much more energy efficient than shrink clamping!

Shrink clamping consumes up to 12,000 kilowatt hours per year and produces up to 3.6 tons of CO₂.

Time and Labor Savings!

Time is also a factor when calculating return on investment. It takes up to 8 minutes to swap a shrink chuck and only 2 minutes for a hydraulic chuck. This can save on labor costs and free up space in the tool-setting area.

Increased Safety!

Workers can burn themselves on the shrink chuck. There is no such risk with hydraulic chucks.

Visit www.mapal.com for more information.