The Advantage of No Seals and Mytec Hydraclamp

Mytec is the pioneer in seal-less connection technology for hydraulic expansion clamping tools. This closed expansion system makes Mytec chucks and arbors impervious to dirt and chips. Combine this with high wear resistance for a long service life with a guarantee of a minimum of 50,000 expansion cycles for its expansion tools and 12 months of function.

If space permits, Hydra expansion elements from Mytec-Hydraclamp are generally equipped with an adjustment piston. This makes it possible to set expansion for fine clamping, particularly in the case of thin-walled workpieces, and deformation is avoided. Tools have a hardness of 56 HRC with a center hardness of 64 HRC. An optional highly wear-resistant coating may be applied which will result in a surface hardness of 80 HRC.
Mytec has developed a diverse product line for a variety of applications. In addition to mechanical expansion arbors and chucks they also offer hydraulic expansion arbors and chucks with geared expansion sleeves; complete clamping fixtures including peripherals, machine spindles with integrated hydraulic expansion technology; ‘Power Control’, an electronic clamping pressure control system; and ‘Hydraclamp’, a hydraulic lock nut for axial clamping system. Mytec is committed to satisfy today’s increasing quality requirements through the development and manufacture of precision tensioning tools for lathing, hobbing, grinding, measuring and testing.