

# **SERDI 4.0 Power**

## **Accurate - Powerful**

The SERDI 4.0 Power offers the patented new Triple Air-Float Automatic Centering system and its **high torque** and **powerful motorspindle**. Very accurate, all-purpose machine to cut valve seats and ream valve guides.

Extremely versatile this machine will cut valve seats from the smallest to the biggest diameter. Thanks to its lightweight floating system. It will **machine cylinder heads of any size** from micro-engines up to big stationary engines.

Featuring a machine bed structure optimized by static and dynamic calculation, with a **modern, modular and functional design**, it can accommodate either the tilting fixture (+42deg to -15deg) or the hydraulic 360deg roll-over fixture with lateral up-and-down system.



*It is a machine **easy to install** and operate providing better productivity with less operator fatigue.*



Back position

Front position

The SERDI 4.0 Power has a benefit of **air floating table bars**. Thus adding **faster** setup time and **effortless** shifting of **any size** cylinder head. This feature decreases operator fatigue and **increases productivity**.

- Machining capacity .551"/14mm to 4.725"/120mm.
- Fitted with the new SERDI tooling that decreases the cutting force by 30%, this machine will cut the hardest seats.
- Patented lightweight workhead: built-in spindle motor and triple air-float automatic centering system. Minimal workhead inertia and maximal floatation for unmatched centering sensitivity.
- Build-In spindle motor. Broad torque ratings from lowest RPM.
- Fully integrated spindle motor: Infinitely variable spindle speed, 100 to 1200 r.p.m., with sensorless Vector Flux Control in open loop (extremely broad torque ratings from lowest r.p.m.). Digital spindle rotation read out.



High quality electric components

